

DRAFT
PERFORMANCE AND ACCEPTANCE CRITERIA FOR EXISTING DATA

**PATRICK BAYOU SUPERFUND SITE,
DEER PARK, TEXAS**

Prepared for
U.S. Environmental Protection Agency
and the
Patrick Bayou Joint Defense Group

Prepared by
Anchor Environmental, L.L.C.
1011 DeSoto Street
Ocean Springs, Mississippi 39564

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1 INTRODUCTION

The primary goal for this phase of Work Package 1 is to identify candidate historical data sets, assemble relevant studies and databases, and evaluate their suitability for inclusion in the Remedial Investigation (RI) for the Patrick Bayou Superfund Site (Site). The following types of data were considered:

- Sediment chemistry (bulk and porewater), including physical data (e.g., grain size)
- Surface water

Data that meet usability criteria developed in Section 2 of this report were compiled in a relational database (EQUIS Chemistry) for subsequent use in other RI activities as appropriate. Additional types of historical data may be added to the database in the future to meet RI data needs, including:

- Sediment toxicity test data
- Benthic community analyses
- Tissue chemistry

2 CRITERIA FOR EVALUATING AND ACCEPTING DATA SETS

This section describes the process for compiling existing Site data for inclusion in the RI database. The types of data primarily focus on those where repeated measures of a consistent list of parameters are made over space and time. Other data types (e.g., abundance and distribution of biological resources, demographic data) were not considered in this work package and will be considered during other RI activities as appropriate. A two-step screening process was used to assess the suitability of data for inclusion in the database: 1) identify the primary sources of historical data; and 2) screen those data against a defined set of performance and acceptance criteria. The process was intended to be flexible and to identify as many suitable data records as possible for the RI. Attributes of specific locations, samples, and results were added to the database as described below.

2.1 Identification of Candidate Data Sets

A significant number of samples from the Site have been collected and analyzed by others prior to the Site being listed on the National Priority List (NPL). Consequently, locating electronic data for the various data sets is a critical step for efficient construction of the database. Much of the historical data for the Site was compiled by Newfields as part of the decision consequence analysis (DCA) effort conducted for the Patrick Bayou Joint Defense Group (JDG). Anchor Environmental, L.L.C., adopted the electronic information contained in this database to construct the initial RI database. Data contained in this database was verified against available hard copies to the extent possible during the preliminary site characterization phase of the RI. Anchor compiled a document library that includes hard copies describing results of sampling events contained in this database.

Data contained in the initial project database and other electronic databases were compared to the original study reports as they became available to verify transcriptional accuracy. Another objective of the hard copy verification was to identify attributes of the data that may not be captured in the electronic data set, but may be necessary for analysis and interpretation of the data. Data for event, station, and sample levels—location, date, and number and type of stations and samples—were confirmed for each data set in its entirety. If inaccuracies were found during this screening, the original author was contacted to resolve errors where possible. The accuracy of analytical results was reviewed following a tiered structure, to balance effort with accuracy. Twenty percent of analytical result records

in the electronic data were compared to the hard copy equivalent. If any inaccuracies were found, 100 percent of the result records were verified.

A second type of verification was conducted during construction of the geographic information system (GIS). Potentially anomalous results, such as sediment or surface water station locations that map on upland areas, were verified using the appropriate combination of original hard copies and electronic data sets.

During the data verification process, the original authors were contacted when possible to obtain a corrected data set if errors were detected. Any detected errors were corrected in the electronic source file and a note added to the appropriate location, sample, or result record noting the correction. The original authors were also notified if any errors were found so that appropriate correction could be made to the original source files.

2.2 Criteria Description and Rationale

The criteria were designed to identify data that may be used in the RI. The criteria, grouped into four categories, are described below. The categories refer to the level at which each criteria was applied: event, station, sample, or result. For example, a criteria applied at the result level could cause a result record to be qualified for a particular chemical, but not for other chemicals analyzed during a particular study. Criteria applicable only to a particular data type are identified; otherwise, it can be assumed that each criterion is applicable to all data types.

2.2.1 Event Level

- 2.2.1.1 Hard Copy or Original Electronic Copy of Data Report Must be Available**
- Data verification of electronic data sets is only possible if the original data report is reviewed. The data report should also contain information related to field and laboratory methods. Data were included in the database if the report documents that they are considered valid for use based on a data validation conducted by the authors or an independent party.

2.2.1.2 *Field Coordinates Must be Available*

Accurate coordinates are necessary for constructing a usable GIS. Field coordinates must be available from the original study.

2.2.1.3 *Data Must Have Been Collected Since 1996*

Within the past 10 years, a large quantity of data has been collected from the Site. Data collected prior to 1996 may be of historical interest, but due to the potential for physical, chemical, and biological transport and transformations, these data are less likely to be representative of current conditions than more recent data. Data older than 10 years were not added to the database at the present time.

2.2.1.4 *Sampling Methods Must be Available*

Sampling methods can have a significant impact on the usability of the data collected from the resulting sample. Data was not excluded from the database based on sample collection methods, but sampling methods should be described in the database in order to evaluate the usability of the data. If sampling methods were unavailable for a data set, data were qualified appropriately.

2.2.2 *Station Level*

2.2.2.1 *Co-located Samples will be Identified*

Using GIS, stations located within 5 meters of newer sampling locations were identified. These samples were included in the database. Older co-located data was included in the database and flagged so as to identify the most recent data collected from that location.

2.2.3 *Sample Level*

2.2.3.1 *Sediment Depth Should be Identified*

Sample collection depths must be clearly identified in the original source document. The collection depths of sediments were identified in database. Samples without documented collection depths were included in the database but qualified appropriately. Specific definitions of "surface samples" are provided in each case where such data are used in the RI.

2.2.3.2 *Sample Type Should be Clearly Identified*

Data from both discrete and composite samples are suitable for the RI, but the sample type may be relevant for evaluating the uncertainty across small spatial scales associated with chemistry data. The sample matrix must be available as well.

2.2.4 *Result Level*

2.2.4.1 *Detection Limits*

For data reported as non-detect, detection limits must be reported and appropriate qualifiers indicating that the true value is less than the detection limit included. Original data sets must report the detection limits for each result. Detection limits for samples identified as non-detect in the original data source were included in the database along with available qualifiers.

2.2.4.2 *Calculated Values*

Sums such as total polycyclic aromatic hydrocarbons (PAHs) and total polychlorinated biphenyls (PCBs) were recalculated from the raw data to ensure consistent rules regarding detection limits and summation were followed.

2.2.4.3 *Analytical Methods*

It is critical that the precise analytical method be documented for all data included in the database. In cases where multiple methods were used for a single analyte in a single sample, the usability of data generated by the different methods was determined by comparison to each other. Decisions to exclude data based on analytical method should be documented in the deliverable in which the data are used.

2.2.4.4 *QA/QC Information Must be Available*

Only previously validated data were added to the database. Validation results are typically in the form of qualifiers. The data qualifiers given by the data validators were preserved in the database, but an additional field was populated to include an interpreted data qualifier to provide a consistent definition across all sampling events.

For data sets lacking validation by the authors or independent validation, an attempt was made to determine if sufficient information exists and can be obtained to validate the data set. If such information exists and is available, a decision to include these data sets in the database as well as the level, if any, of validation was performed will be made on a case-by-case basis.

3 LIST OF REPORTS FOR HISTORICAL SITE CHARACTERIZATION

A large library of documents describing environmental conditions within the Site was compiled (see Preliminary Site Characterization Report; Anchor 2006). Tables 1 to 5 list the key documents and data sources in this library that contain sediment chemistry, surface water chemistry, tissue chemistry, benthic macroinvertebrate, and bioassay data. The process described in Section 2 was applied only to surface water and sediment data sets. Other types of data are listed as candidate data sets for potential future RI tasks requiring verification of these types of data.

4 SUMMARY OF DATA QUALITY REVIEW

This section summarizes the steps taken to incorporate historical sediment and surface water data sets from the previous investigations at the Site into the RI database maintained by Anchor. Results of the evaluation of the data using the process outlined in Section 2 are described. This includes documentation of what was populated into the database, exceptions and issues (e.g., missing information), and statistical summaries. Summaries are provided by media type and data set in the following sections.

4.1 Sediment Data Sets

Bulk sediment chemistry data as described in Parsons Engineering, 2002; Parsons Engineering, 2004, and TNRCC, 2001 were included in the database. All other studies and data sources for sediment data sets identified in Table 1 included data that exceeded the 10-year limit described in Section 2. The results of the performance and acceptance criteria review of the data sets included in the database are summarized below:

Assessment of sediment toxicity and quality in Patrick Bayou, Segment 1006, Harris County, Texas (Parsons Engineering 2002):

- Total maximum daily load (TMDL) hard copy data was reviewed against the Parsons Engineering, Inc. (Parsons), data validation report and associated Quality Assurance Project Plan (QAPP) for adherence to QAPP criteria and accuracy of the validation report.
- TMDL Electronic data from the Anchor EQuIS database were reviewed to ensure the Parsons data qualifiers were applied to the electronic data, as well as the hard copy data.
- EQuIS database was re-reviewed by second party for validity.
- Data were acceptable for use as qualified by Parsons with the exception of the pesticide/PCB analysis. This data was performed using the laboratory's in-house method as apposed to an U.S. Environmental Protection Agency (USEPA) promulgated method. The data should be used as estimates.

Assessment of sediment toxicity and quality in Patrick Bayou, Segment 1006, Harris County, Texas (Parsons Engineering 2004):

- Severn Trent Laboratories (STL) hard copy data was reviewed against the Parsons data validation report and associated QAPP for adherence to QAPP criteria and accuracy of validation report.
- Electronic data from the Anchor EQuIS database was reviewed to ensure the Parsons data qualifiers were applied to the electronic data, as well as the hard copy data.
- EQuIS database was re-reviewed by second party for validity.
- Data were acceptable for use as qualified by the validation firm.

Hazard Ranking System Documentation Record, Patrick Bayou, Texas (TNRCC 2001):

- Hard copy data was compared to EquIS database for consistency check.
- Tables generated by the EQuIS database were reviewed against the Lockheed data validation report according to the USEPA Contract Laboratory Program (CLP).
- All data in the EQuIS database were updated to meet the data qualifiers and reporting limit changes documented in the CLP data validation report.
- Data were acceptable for use as qualified by the validation firm.

4.2 Surface Water Data Sets

Surface water chemistry data as described in the surface water quality monitoring (SWQM) portion of the TRACS database was the only data source used to populate the database. Other sources (ENSR 1995 and TNRCC and USEPA 1996) only included data outside the 10-year limit. Data from Shell 2000 was not included primarily due to the limited number of samples and analytes. This data set included only surface water analytical data for geochemistry parameters from three stations within the Site boundaries. Due to the limited nature of this data set, the existence of more recent and comprehensive data sets, and other limitations (e.g., lack of station coordinates in the provided documents), the benefit of including this data set was considered minimal and was not added to the database.

Surface water from the TRACS database was obtained directly from Texas Commission on Environmental Quality (TCEQ) along with field and code definitions for the database provided. Site data collected in the last 10 years was submitted to the SWQM portion of the

TRACS database by two different sources. Fields in the TRACS database indicated the following two different combinations of samplers, submitting entities, and program codes:

Source Code 1 (submitting entity) = WC (TCEQ)

Source Code 2 (sampling entity) = FO (TCEQ Regional Office)

Program Code (type of sampling conducted) = RT (Routine water sampling/baseline)

and

Source Code 1 (submitting agency) = PA (Patrick Bayou TMDL Lead Organization)

Source Code 2 (sampling entity) = PE (Parsons Engineering Science)

Program Code (type of sampling conducted) = TI or TQ (24 hour field measurements conducted under a TMDL QAPP or sampling conducted under a TMDL QAPP [305b/303d assessment data], respectively)

Fields included in the TRACS database were not sufficient to review the data against all performance and acceptance criteria listed in Section 2. Information was not available to assess sample collection method, sample type, analytical method, quality assurance/quality control (QA/QC) information, previous validation, and data qualifiers.

At the time of this report, laboratory and validation reports for this data were not available for review. The QAPP for samples collected by TCEQ as part of their routine monitoring program was reviewed, however. Sample collection methods, analytical methods, and validation requirements for data collected under this program were described. Although specific information on the records of interest was not available, the information in the QAPP, as well as the available data descriptions in the TRACS database, provided a basis to tentatively accept the data sets included in the TRACS database. As laboratory and validation reports become available, these data sets will be reviewed against the performance and acceptance criteria and the database updated as necessary.

5 DATA SUMMARY STATISTICS

Summary statistics for sediment and surface water data that met the performance and review criteria established in Section 2 and included in the database are summarized in Tables 7 and 8 for sediment and surface water, respectively. Tables 9 and 10 provide a listing of results for all samples included in the database.

6 REFERENCES

Anchor Environmental, L.L.C. 2006. Preliminary site characterization report. Patrick Bayou Superfund Site. Deer Park, Texas. Prepared for USEPA and Patrick Bayou Joint Defense Group.

ENSR Consulting and Engineering. 1995. Houston Ship Channel toxicity study. Volume I and II. Document Number 1591-001-801. Prepared for the City of Houston.

Parsons et al. 2002. Assessment of sediment toxicity and quality in Patrick Bayou, Segment 1006, Harris County, Texas. Prepared for Patrick Bayou TMDL Lead Organization

Parsons et al. 2004. Assessment of sediment toxicity and quality in Patrick Bayou, Segment 1006, Harris County, Texas. Prepared for Patrick Bayou TMDL Lead Organization

TNRCC. 2001. Hazard Ranking System Documentation Record. Patrick Bayou Site. Deer Park, Harris County, Texas. TX0000605329. Prepared in cooperation with USEPA.

TNRCC and USEPA. 1996. Contaminant assessment of Patrick Bayou. Prepared by L Broach and P Crocker.

TABLES

Table 1
List of Sediment Chemistry Data Sets to be Considered for Inclusion in the Database

Report/Source Title	Year Published	Report/Source Description	Sampling Description	Sponsor(s)	Prepared By
Texas Natural Resource Conservation Commission, unpublished data	1994 to current	Texas Natural Resource Conservation Commission (TNRCC), now the Texas Commission on Environmental Quality (TCEQ), the state's comprehensive environmental protection agency, maintains an online searchable database containing sample records in electronic format	Periodic sediment data collected; including elutriate toxicity testing	TNRCC/TCEQ	TNRCC/TCEQ
Houston Ship Channel Toxicity Study, Volumes I and II (ENSR, 1995)	1995	Document prepared for the City of Houston summarizing the general chemistry, metals, organics, pesticides, PCBs, dioxins / furans, and TEQ values for data collected in the Houston Ship Channel and its tributaries (Document Number 1591-001-801)	Sediment sampled at three stations in Patrick Bayou (Segment 1006) for chemistry and toxicity testing	City of Houston	NSR Consulting and Engineering; Espey, Huston and Associates
Contaminant Assessment of Patrick Bayou (TNRCC and USEPA, 1996)	1996	July 1994 sampling by the TNRCC and the USEPA of water and sediment at ten stations to determine the magnitude and spatial distribution of contaminants and toxicity within Patrick Bayou	Sediment sampled for analytical chemistry at 10 stations	TNRCC and EPA-Region 6	Linda Broach, TNRCC, and Philip Crocker, USEPA
Hazard Ranking System Documentation Record (TNRCC, 2001)	2001	March 2000 sampling by the TNRCC of sediment at 24 stations to determine site eligibility for the National Priorities List.	Surface sediment sampled for analytical chemistry at 24 stations; 16 site and 8 background	TNRCC and EPA-Region 6	TNRCC/USEPA-Region 6
Assessment of Sediment Toxicity and Quality in Patrick Bayou, Segment 1006, Harris County, Texas (Parsons Engineering, Inc. 2002)	2002	Report describing the results of a third party TMDL conducted in cooperation with the TCEQ and the Patrick Bayou Community using the sediment quality triad approach for evaluation of sediments in Patrick Bayou	Sediment collected from 19 stations in Patrick Bayou for bulk sediment chemistry and solid-phase toxicity testing	Patrick Bayou TMDL Lead Organization	Parsons Engineering Science; Dr. Cynthia Howard, University of Houston-Clear Lake; Mr. James Horne, PBS&J
Assessment of Sediment Toxicity and Quality in Patrick Bayou, Segment 1006, Harris County, Texas (Parsons Engineering, Inc. 2004)	2004	Joint TMDL Lead Organization/TCEQ/EPA effort to conduct sampling to determine causes of sediment toxicity in the Segment 1006A portion of the Houston Ship Channel; parallel sediment sampling and testing conducted by Parsons, University of Houston-Clear Lake, PBS&J, and Severn Trent Laboratories	Sediment samples collected from six previously sampled locations for bulk sediment chemistry and toxicity testing	Patrick Bayou TMDL Lead Organization (Shell, Oxy Vinyls LP, and Lubrizol)	Parsons Engineering Science; Dr. Cynthia Howard, University of Houston-Clear Lake; Mr. James Horne, PBS&J

Table 2
List of Surface Water Chemistry Data Sets to be Considered for Inclusion in the Database

Report/Source Title	Year Published	Report/Source Description	Sampling Description	Sponsor(s)	Prepared By
Texas Natural Resource Conservation Commission, unpublished data	1994 to 2005	Texas Natural Resource Conservation Commission (TNRCC), now the Texas Commission on Environmental Quality (TCEQ), the state's comprehensive environmental protection agency, maintains an online searchable database containing sample records in electronic format	Periodic surface water data collections; dissolved metals concentrations in surface water from July 1994 to August 2005	TNRCC	TNRCC/ TCEQ
Houston Ship Channel Toxicity Study, Volumes I and II	1995	Document prepared for the City of Houston summarizing the general chemistry, metals, organics, pesticides, PCBs, dioxins / furans, and TEQ values for data collected in the Houston Ship Channel and its tributaries (Document Number 1591-001-801)	Surface water sampled at three stations for chemistry	City of Houston	ENSR Consulting and Engineering; Espey, Huston and Associates
Contaminant Assessment of Patrick Bayou	1996	Ten pollutant analyses stations and a TNRCC routine monitoring station were sampled by TNRCC and EPA in July of 1994 to evaluate contaminant magnitude and distributions within the system	Surface water sampled for analytical chemistry at eleven stations	TNRCC, EPA-Region 6	Linda Broach, TNRCC, and Philip Crocker, USEPA
Hydrogeological and Geochemical Study - Groundwater and Surface Water at Patrick Bayou - Shell Deer Park Facility	2000	Report submitted to TNRCC and EPA in response to compliance plan renewal	Surface water samples were collected during July and September of 1999 from four locations in Patrick Bayou and one location in the Houston Ship Channel, and analyzed for basic water chemistry	Shell	Shell Deer Park Chemical Plant

Table 3
List of Tissue Chemistry Data Sets to be Considered for Future Inclusion in the Database

Report/Source Title	Year Published	Report/Source Description	Sampling Description	Sponsor(s)	Prepared By
Houston Ship Channel Toxicity Study, Volumes I and II	1995	Document prepared for the City of Houston summarizing the general chemistry, metals, organics, pesticides, PCBs, dioxins / furans, and TEQ values for data collected in the Houston Ship Channel and its tributaries (Document Number 1591-001-801)	One blue crab tissue sample analyzed for dioxin/furans	City of Houston	ENSR Consulting and Engineering; Espey, Huston and Associates
Total Maximum Daily Load for Dioxins in the Houston Ship Channel, Final Report	2003	A phased dioxin total maximum daily load (TMDL) study was conducted to assess PCB, aroclor, and pesticide contamination in the Houston Ship Channel; this report summarizes the second phase of the work	Includes results of dioxin and PCB tissue samples collected from two composite fish and shellfish samples collected in Patrick Bayou in August 2002 and May 2003	TMDL Program, TCEQ	University of Houston, Parsons Engineering, PBS&J

Table 4
List of Benthic Macroinvertebrate Data Sets to be Considered for Future Inclusion in the Database

Report/Source Title	Year Published	Report/Source Description	Sampling Description	Sponsor(s)	Prepared By
Contaminant Assessment of Patrick Bayou	1996	Pollutant analysis stations and a TNRCC routine monitoring station were sampled by TNRCC and EPA in July of 1994 to evaluate contaminant magnitude and distributions within the system	Benthic community assessment (five stations) by TNRCC	TNRCC, EPA-Region 6	Linda Broach, TNRCC, and Philip Crocker, USEPA
Assessment of Sediment Toxicity and Quality in Patrick Bayou, Segment 1006, Harris County, Texas	2002	Report describing the results of a third party TMDL conducted in cooperation with the TCEQ and the Patrick Bayou Community using the sediment quality triad approach for evaluation of sediments in Patrick Bayou;	Sediment grabs for benthic community analysis were collected at 19 locations in quadruplicate using an Ekman box grab sampler; benthos were separated from the sediments using a 500 um mesh sieve, preserved, and analyzed to determine species richness, diversity, and organism abundances	Patrick Bayou TMDL Lead Organization	Parsons Engineering Science; Dr. Cynthia Howard, University of Houston-Clear Lake; Mr. James Horne, PBS&J
Assessment of Sediment Toxicity and Quality in Patrick Bayou, Segment 1006, Harris County, Texas	2004	Joint TMDL Lead Organization / TCEQ / EPA effort to conduct sampling to determine causes of sediment toxicity in the Segment 1006A portion of the Houston Ship Channel; parallel sediment sampling and testing conducted by Parsons, University of Houston-Clear Lake, PBS&J, and Severn Trent Laboratories	Samples collected from six previously sampled locations for benthic community assessment	Patrick Bayou TMDL Lead Organization	Parsons Engineering Science; Mr. James D. Horne, PBS&J Environmental Toxicology Laboratory

Table 5
List of Bioassay Data Sets to be Considered for Future Inclusion in the Database

Report/Source Title	Year Published	Report/Source Description	Sampling Description	Sponsor(s)	Prepared By
Houston Ship Channel Toxicity Study, Volumes I and II	1995	Document prepared for the City of Houston summarizing the general chemistry, metals, organics, pesticides, PCBs, dioxins / furans, and TEQ values for data collected in the Houston Ship Channel and its tributaries (Document Number 1591-001-801)	Sediment and surface water sampled at three stations for chemistry and toxicity testing	City of Houston	ENSR Consulting and Engineering; Espey, Huston and Associates
Contaminant Assessment of Patrick Bayou	1996	Pollutant analysis stations and a TNRCC routine monitoring station were sampled by TNRCC and EPA in July of 1994 to evaluate contaminant magnitude and distributions within the system	Surface water and elutriate toxicity testing (five stations) by TNRCC	TNRCC, EPA-Region 6	Linda Broach, TNRCC, and Philip Crocker, USEPA
Assessment of Sediment Toxicity and Quality in Patrick Bayou, Segment 1006, Harris County, Texas	2002	Report describing the results of a third party TMDL conducted in cooperation with the TCEQ and the Patrick Bayou Community using the sediment quality triad approach for evaluation of sediments in Patrick Bayou	Sediment collected from 19 stations in Patrick Bayou for solid-phase and porewater toxicity testing	Patrick Bayou TMDL Lead Organization	Parsons Engineering Science; Dr. Cynthia Howard, University of Houston-Clear Lake; Mr. James Horne, PBS&J
Assessment of Sediment Toxicity and Quality in Patrick Bayou, Segment 1006, Harris County, Texas	2004	Joint TMDL Lead Organization / TCEQ / EPA effort to conduct sampling to determine causes of sediment toxicity in the Segment 1006A portion of the Houston Ship Channel; parallel sediment sampling and testing conducted by Parsons, University of Houston-Clear Lake, PBS&J, and Severn Trent Laboratories	Sediment samples collected from six previously sampled locations for toxicity (solid-phase and porewater) testing	Patrick Bayou TMDL Lead Organization	Parsons Engineering Science; Mr. James D. Horne, PBS&J Environmental Toxicology Laboratory

Table 6
Summary of Performance and Acceptance Criteria Review for Candidate Sediment Chemistry Data Sets

	Sediment						Surface Water				
	TCEQ database	ENSR 1995	TNRCC 1996	TNRCC 2001	Parsons 2002	Parsons 2004	TCEQ database WC/FO ^b	TCEQ database PA/PE ^e	ENSR 1995	TNRCC 1996	Shell 2000 ^f
Event Level											
Data collected post-1996	No ^a	No	No	Yes	Yes	Yes	Yes/No ^c	Yes	No ^a	No ^a	Yes
Hard copy or original electronic data available	--	--	--	Yes	Yes	Yes	Yes ^d	Yes ^d	--	--	Yes
Field coordinates available	--	--	--	Yes	Yes	Yes	Yes	Yes	--	--	No
Sampling methods available	--	--	--				Yes	No	--	--	No
Station Level											
Co-located samples identified and flagged	--	--	--	Yes	Yes	Yes	Yes	Yes	--	--	NA
Sample Level											
Sample depth identified	--	--	--	Yes	Yes	Yes	Yes	Yes	--	--	No
Sample type identified	--	--	--	Yes	Yes	Yes	Yes	Yes	--	--	Yes
Result level											
Detection limits available ^g	--	--	--	Yes	Yes	Yes	Yes	Yes	--	--	Yes
Summary values recalculated	--	--	--	Yes	Yes	Yes	Yes	Yes	--	--	NA
Analytic methods available	--	--	--	Yes	Yes	Yes	TBD	TBD	--	--	Yes
QA/QC information available	--	--	--	Yes	Yes	Yes	TBD	TBD	--	--	Yes
Previously validated	--	--	--	Yes	Yes	Yes	TBD	TBD	--	--	Unknown
Data qualifiers available	--	--	--	Yes	Yes	Yes	TBD	TBD	--	--	No

NA – Not applicable

TBD – To be determined

a Additional performance and acceptance criteria not assessed due to failure to meet this criteria; post-1996 sediment data in the TCEQ database was originally reported in other document included in this review (e.g., Parsons 2002 and 2004).

b Includes data contained in the SWQM portion of the TRACS database collected and submitted TCEQ only (SWQM source code 1 / source code 2 = WC/FO).

c Data collected prior to 1996 was not evaluated due to failure to meet this criteria; post-1996 data was evaluated.

d Electronic data was received directly from TNRCC. This was considered ‘original electronic data.’

e Includes data contained in the SWQM portion of the TRACS database collected by Parsons Engineering, Inc. and submitted by the Patrick Bayou TMDL Lead Organization (SWQM source code 1 / source code 2 = PA/PE; program code TI or TQ).

f This report included groundwater and surface water geochemistry data from five stations. Due to the limitations in meeting some performance and acceptance criteria, the limited number of samples (three site-related), and the limited list of analytes this data was not included in the database.

g For sample analytes identified as non-detect.

Table 7
Summary of Results for Surface Sediment Samples

Matrix	Chemical Group	Chemical	Units	Number of Samples	Minimum Detect	Maximum Detect	Number of Detections	Frequency of Detection (%)	Average Detect	Minimum Non Detect	Maximum Non Detect	Number of Non Detects
W	Conventional	Alkalinity	mg/l	32	86	210	32	100	125.25			0
W	Conventional	Ammonia	mg/l	14	0.05	1.31	13	92.86	0.44	0.05	0.05	1
W	Conventional	Biochemical oxygen demand	mg/l	18	3	9	10	55.56	5.3	2	2	8
W	Conventional	Chemical oxygen demand	mg/l	18	32	88	18	100	57.78			0
W	Conventional	Conductivity	UMHOS/CM	8	3997	23340	8	100	13993			0
W	Conventional	Dissolved organic carbon	mg/l	18	13.6	36.6	18	100	25.78			0
W	Conventional	Dissolved Oxygen	mg/l	7	6.45	9.33	7	100	8.29			0
W	Conventional	Fluoride	mg/l	8	0.4	0.78	8	100	0.58			0
W	Conventional	Hardness as CaCO ₃	mg/l	21	100	2840	21	100	1160.76			0
W	Conventional	Nitrate + Nitrite	mg/l	9	0.99	4.11	9	100	2.04			0
W	Conventional	Nitrate as Nitrogen	mg/l	22	2.31	35	22	100	9.58			0
W	Conventional	Nitrite as Nitrogen	mg/l	4	0.05	0.5	3	75	0.24	0.1	0.1	1
W	Conventional	ortho-Phosphate	mg/l	12	0.35	1.07	9	75	0.61	0.12	0.3	3
W	Conventional	pH	pH units	21	7.48	8.78	21	100	7.86			0
W	Conventional	Phosphorus	mg/l	32	0.38	2.85	32	100	0.93			0
W	Conventional	Salinity	ppm	8	0.00211	0.01401	8	100	0.01			0
W	Conventional	Sulfate	mg/l	31	96	1550	31	100	904.74			0
W	Conventional	Sulfide	mg/l	18			0	0		0.1	0.1	18
W	Conventional	Temperature	deg F	8	59.86	88.95	8	100	79.62			0
W	Conventional	Total chloride	mg/l	31	307	9420	31	100	4737.32			0
W	Conventional	Total dissolved solids	mg/l	31	700	18435	31	100	9470.29			0
W	Conventional	Total Kjeldahl nitrogen	mg/l	32	0.61	4.4	32	100	2.33			0
W	Conventional	Total organic carbon	mg/l	14	1	12	12	85.71	5.33	1	2	2
W	Conventional	Total solids	mg/l	32	6	69	32	100	25.61			0
W	Conventional	Total volatile solids	mg/l	11	3	14	10	90.91	5.9	4	4	1
W	Diox/Fur	1,2,3,4,6,7,8-HxCDD	pg/l	2	1.213	1.41	2	100	1.31			0
W	Diox/Fur	1,2,3,4,6,7,8-HxCDF	pg/l	2			0	0		0.142	0.143	2
W	Diox/Fur	1,2,3,4,7,8,9-HxCDF	pg/l	2			0	0		0.142	0.143	2
W	Diox/Fur	1,2,3,4,7,8-HxCDD	pg/l	2			0	0		0.142	0.143	2
W	Diox/Fur	1,2,3,4,7,8-HxCDF	pg/l	2	0.2	0.242	2	100	0.22			0
W	Diox/Fur	1,2,3,6,7,8-HxCDD	pg/l	2			0	0		0.142	0.143	2
W	Diox/Fur	1,2,3,6,7,8-HxCDF	pg/l	1			0	0		0.143	0.143	1
W	Diox/Fur	1,2,3,7,8,9-HxCDD	pg/l	2			0	0		0.142	0.143	2
W	Diox/Fur	1,2,3,7,8,9-HxCDF	pg/l	2			0	0		0.142	0.143	2
W	Diox/Fur	1,2,3,7,8-PeCDD	pg/l	2			0	0		0.142	0.143	2
W	Diox/Fur	1,2,3,7,8-PeCDF	pg/l	2	0.171	0.199	2	100	0.18			0
W	Diox/Fur	2,3,4,6,7,8-HxCDD	pg/l	2			0	0		0.142	0.143	2
W	Diox/Fur	2,3,4,7,8-PeCDF	pg/l	2			0	0		0.142	0.143	2
W	Diox/Fur	2,3,7,8-TCDD	pg/l	2	0.098	0.098	1	50	0.1	0.028	0.028	1
W	Diox/Fur	2,3,7,8-TCDF	pg/l	2	0.499	0.741	2	100	0.62			0
W	Diox/Fur	OCDD	pg/l	2	17.094	22.825	2	100	19.96			0
W	Diox/Fur	OCDF	pg/l	2	22.792	38.516	2	100	30.65			0
W	Diox/Fur	Total D/F TEQ-Bird (U=1/2; max RL)	pg/l	2	0.81	0.97	2	100	0.89			0
W	Diox/Fur	Total D/F TEQ-Fish (U=1/2; max RL)	pg/l	2	0.24	0.32	2	100	0.28			0
W	Diox/Fur	Total D/F TEQ-Mammal (U=1/2; max RL)	pg/l	2	0.28	0.34	2	100	0.31			0
W	Diox/Fur	Total HpCDD	pg/l	2	3.709	3.989	2	100	3.85			0
W	Diox/Fur	Total HpCDF	pg/l	2	0.983	1.041	2	100	1.01			0
W	Diox/Fur	Total HxCDD	pg/l	2	0.285	0.385	2	100	0.34			0
W	Diox/Fur	Total HxCDF	pg/l	2	1.17	1.311	2	100	1.24			0
W	Diox/Fur	Total PeCDD	pg/l	2			0	0		0.142	0.143	2
W	Diox/Fur	Total PeCDF	pg/l	2	0.77	1.083	2	100	0.93			0
W	Diox/Fur	Total TCDD	pg/l	2	0.271	0.357	2	100	0.31			0
W	Diox/Fur	Total TCDF	pg/l	2	2.14	4.558	2	100	3.35			0

Table 7
Summary of Results for Surface Sediment Samples

Matrix	Chemical Group	Chemical	Units	Number of Samples	Minimum Detect	Maximum Detect	Number of Detections	Frequency of Detection (%)	Average Detect	Minimum Non Detect	Maximum Non Detect	Number of Non Detects
W	Metals	Aluminum	µg/L	42	4.78	2250	17	40.48	344.54	2	100	25
W	Metals	Arsenic	µg/L	40	0.93	16.3	30	75	4.55	1	50	10
W	Metals	Cadmium	µg/L	42	0.056	0.162	5	11.9	0.1	0.05	7	37
W	Metals	Calcium	µg/L	46	153	232000	46	100	134244.63			0
W	Metals	Chromium	µg/L	43	1.99	6	4	9.3	4.19	1	6	39
W	Metals	Copper	µg/L	55	0.66	10.6	46	83.64	3.71	3	6	9
W	Metals	Iron	µg/L	20	11.6	1400	11	55	405.65	0.05	10	9
W	Metals	Lead	µg/L	41	0.058	5.54	25	60.98	1.31	1	20	16
W	Metals	Magnesium	µg/L	45	306	618000	45	100	227289.47			0
W	Metals	Manganese	µg/L	20	11.2	94	20	100	39.47			0
W	Metals	Mercury	µg/L	27	0	0.52	27	100	0.11			0
W	Metals	Nickel	µg/L	43	2.24	9.81	21	48.84	4.47	5	17	22
W	Metals	Potassium	µg/L	38	3080	206000	38	100	78811.58			0
W	Metals	Selenium	µg/L	59	0.14	1.67	32	54.24	0.64	0.14	33	27
W	Metals	Silver	µg/L	42	0.61	0.61	1	2.38	0.61	0.05	8	41
W	Metals	Sodium	µg/L	41	3000	6045000	40	97.56	2428820	500	500	1
W	Metals	Zinc	µg/L	43	4.95	51	38	88.37	17.09	4	16	5
W	TPH	TPH - Oil and grease	mg/l	18			0	0		5	5	18

Table 8
Summary of Results for Surface Water Samples

Matrix	Chemical Group	Chemical	Units	Number of Samples	Minimum Detect	Maximum Detect	Number of Detections	Frequency of Detection (%)	Average Detect	Minimum Non Detect	Maximum Non Detect	Number of Non Detects
SE	Conventional	Acid volatile sulfides	umol/g	3	15.69	36.03	3	100	27.82			0
SE	Conventional	Ammonia	mg/kg	3	39.7	362	3	100	178.57			0
SE	Conventional	Conductivity	umhos/cm	12	3665	26290	12	100	6861.58			0
SE	Conventional	Cyanide	mg/kg	16	0.26	1.01	7	43.75	0.56	0.03	0.08	9
SE	Conventional	Dissolved Oxygen	mg/l	11	6.09	8.99	11	100	6.85			0
SE	Conventional	Moisture	%	25	14.8	68.8	25	100	38.28			0
SE	Conventional	pH	pH Units	14	7.32	8.32	14	100	7.7			0
SE	Conventional	Salinity	ppm	12	0.00194	0.01528	12	100	0			0
SE	Conventional	Temperature	deg C	12	21.3	37.2	12	100	27.5			0
SE	Conventional	Total organic carbon	%	25	1.26	18.6	25	100	3.29			0
SE	Conventional	Total solids	%	25	40.34	85.13	25	100	62.59			0
SE	Diox/Fur	1,2,3,4,6,7,8-HpCDD	ng/kg	22	15.6	1835	22	100	306.51			0
SE	Diox/Fur	1,2,3,4,6,7,8-HpCDF	ng/kg	22	14.8	1763	22	100	432.08			0
SE	Diox/Fur	1,2,3,4,7,8,9-HpCDF	ng/kg	22	1.41	190	22	100	56.9			0
SE	Diox/Fur	1,2,3,4,7,8-HxCDD	ng/kg	22	1.34	20.1	15	68.18	5.83	0.52	7.24	7
SE	Diox/Fur	1,2,3,4,7,8-HxCDF	ng/kg	22	7.99	898	22	100	191.33			0
SE	Diox/Fur	1,2,3,6,7,8-HxCDD	ng/kg	22	1.75	67	20	90.91	13.39	0.46	2.95	2
SE	Diox/Fur	1,2,3,6,7,8-HxCDF	ng/kg	22	1.95	227	22	100	58.19			0
SE	Diox/Fur	1,2,3,7,8,9-HxCDD	ng/kg	22	2.69	36.5	17	77.27	12.68	0.52	3.07	5
SE	Diox/Fur	1,2,3,7,8,9-HxCDF	ng/kg	22	1.02	28.1	14	63.64	8.52	0.36	7.27	8
SE	Diox/Fur	1,2,3,7,8-PeCDD	ng/kg	22	0.829	9.75	6	27.27	3.53	0.21	5.81	16
SE	Diox/Fur	1,2,3,7,8-PeCDF	ng/kg	22	1.42	560	22	100	108.82			0
SE	Diox/Fur	2,3,4,6,7,8-HxCDF	ng/kg	22	0.526	42.7	22	100	12.71			0
SE	Diox/Fur	2,3,4,7,8-PeCDF	ng/kg	22	1.54	156	21	95.45	42.3	1.33	1.33	1
SE	Diox/Fur	2,3,7,8-TCDD	ng/kg	22	2.04	108	14	63.64	17.81	0.43	0.91	8
SE	Diox/Fur	2,3,7,8-TCDF	ng/kg	22	1.23	424	22	100	66.94			0
SE	Diox/Fur	OCDD	ng/kg	22	358	20048	22	100	3555			0
SE	Diox/Fur	OCDF	ng/kg	22	78.3	92390	22	100	11446.1			0
SE	Diox/Fur	Total D/F TEQ-Bird (U=1/2; max RL)	ng/kg	22	5.68	783	22	100	166			0
SE	Diox/Fur	Total D/F TEQ-Fish (U=1/2; max RL)	ng/kg	22	2.73	312	22	100	77.91			0
SE	Diox/Fur	Total D/F TEQ-Mammal (U=1/2; max RL)	ng/kg	22	2.97	343	22	100	84.21			0
SE	Diox/Fur	Total HpCDD	ng/kg	22	62.3	3996	22	100	783.06			0
SE	Diox/Fur	Total HpCDF	ng/kg	22	26.7	3550	22	100	767.9			0
SE	Diox/Fur	Total HxCDD	ng/kg	22	10.6	681	22	100	144.52			0
SE	Diox/Fur	Total HxCDF	ng/kg	22	21.1	3353	22	100	603.44			0
SE	Diox/Fur	Total PeCDD	ng/kg	22	0.886	229	12	54.55	39.83	0.42	2.97	10
SE	Diox/Fur	Total PeCDF	ng/kg	22	10	1611	22	100	405.35			0
SE	Diox/Fur	Total TCDD	ng/kg	22	0.909	108	21	95.45	21.53	0.44	0.44	1
SE	Diox/Fur	Total TCDF	ng/kg	22	4.63	1400	22	100	266.96			0
SE	Grain Size	Clay	%	25	0	35.6	25	100	15.14			0
SE	Grain Size	Gravel	%	3	0	21.4	3	100	7.3			0
SE	Grain Size	Sand	%	25	11.3	91.43	25	100	56.06			0
SE	Grain Size	Silt	%	25	1.6	58.9	25	100	27.93			0
SE	Metals	Aluminum	mg/kg	16	3690	10400	16	100	6623.75			0
SE	Metals	Antimony	mg/kg	16	0.92	1.2	3	18.75	1.03	0.26	1.3	13
SE	Metals	Arsenic	mg/kg	41	2	164	41	100	11.71			0
SE	Metals	Barium	mg/kg	41	53.6	23500	41	100	889.01			0
SE	Metals	Beryllium	mg/kg	16	0.37	1	13	81.25	0.64	0.195	0.345	3
SE	Metals	Cadmium	mg/kg	41	0.0872	1.84	39	95.12	0.78	0.13	0.135	2
SE	Metals	Calcium	mg/kg	16	4730	232000	16	100	55443.75			0
SE	Metals	Chromium	mg/kg	41	9.8	497	41	100	121.54			0
SE	Metals	Cobalt	mg/kg	16	2.6	14.2	16	100	7.98			0

Table 8
Summary of Results for Surface Water Samples

Matrix	Chemical Group	Chemical	Units	Number of Samples	Minimum Detect	Maximum Detect	Number of Detections	Frequency of Detection (%)	Average Detect	Minimum Non Detect	Maximum Non Detect	Number of Non Detects
SE	Metals	Copper	mg/kg	41	10.1	271	41	100	68.75			0
SE	Metals	Iron	mg/kg	41	4940	44600	41	100	14389.51			0
SE	Metals	Lead	mg/kg	41	13.5	260	41	100	64.92			0
SE	Metals	Magnesium	mg/kg	16	1380	8340	16	100	3290.62			0
SE	Metals	Manganese	mg/kg	16	72.6	3500	16	100	381.88			0
SE	Metals	Mercury	mg/kg	41	0.0549	41.5	41	100	7.01			0
SE	Metals	Mercury (bias corrected)	mg/kg	3	6.61	22.68	3	100	13.53			0
SE	Metals	Nickel	mg/kg	41	7.4	156	41	100	33.58			0
SE	Metals	Potassium	mg/kg	16	369	1630	16	100	994.5			0
SE	Metals	Selenium	mg/kg	41	0.344	2.56	25	60.98	0.87	0	1.05	16
SE	Metals	Silver	mg/kg	41	0.129	62.8	31	75.61	2.62	0	0.215	10
SE	Metals	Sodium	mg/kg	16	1840	12500	16	100	5278.75			0
SE	Metals	Thallium	mg/kg	16	1	1.1	2	12.5	1.05	0	1.4	14
SE	Metals	Vanadium	mg/kg	16	10.1	87.7	16	100	20.61			0
SE	Metals	Zinc	mg/kg	41	47.6	1750	41	100	373.49			0
SE	PCBs	Aroclor 1016	µg/kg	16			0	0		43	6000	16
SE	PCBs	Aroclor 1221	µg/kg	16			0	0		50	12000	16
SE	PCBs	Aroclor 1232	µg/kg	16			0	0		43	6000	16
SE	PCBs	Aroclor 1242	µg/kg	16			0	0		43	6000	16
SE	PCBs	Aroclor 1248	µg/kg	16	160	300000	14	87.5	26037.14	43	58	2
SE	PCBs	Aroclor 1254	µg/kg	16			0	0		43	6000	16
SE	PCBs	Aroclor 1260	µg/kg	16	250	3400	7	43.75	1505.71	43	6000	9
SE	PCBs	Total PCBs (U=1/2; Max RL)	µg/kg	16	347.5	321000	14	87.5	28918.79	87	120	2
SE	Pesticides	4,4'-DDD	µg/kg	38	0.073	62	9	23.68	9.68	4.3	600	29
SE	Pesticides	4,4'-DDE	µg/kg	38	0.178	20.5	19	50	6.11	3	600	19
SE	Pesticides	4,4'-DDT	µg/kg	38	0.038	5.65	7	18.42	1.39	4.3	600	31
SE	Pesticides	Aldrin	µg/kg	16	170	8200	3	18.75	2866.67	2.2	390	13
SE	Pesticides	alpha-BHC	µg/kg	16			0	0		2.2	310	16
SE	Pesticides	alpha-Chlordane	µg/kg	38	0.112	5.5	14	36.84	1.56	2.2	310	24
SE	Pesticides	beta-BHC	µg/kg	16	6.9	7.6	2	12.5	7.25	2.2	310	14
SE	Pesticides	delta-BHC	µg/kg	16	16	16	1	6.25	16	2.2	310	15
SE	Pesticides	Dieldrin	µg/kg	16			0	0		4.3	600	16
SE	Pesticides	Endosulfan I	µg/kg	16	0.99	270	9	56.25	47.11	2.2	35	7
SE	Pesticides	Endosulfan II	µg/kg	16	2.9	150	5	31.25	36.44	4.3	62000	11
SE	Pesticides	Endosulfan Sulfate	µg/kg	16			0	0		4.1	600	16
SE	Pesticides	Endrin	µg/kg	16	1.9	1000	9	56.25	174.99	4.3	75	7
SE	Pesticides	Endrin aldehyde	µg/kg	16			0	0		4.3	600	16
SE	Pesticides	Endrin ketone	µg/kg	16	2	100	11	68.75	21.01	4.3	13	5
SE	Pesticides	gamma-BHC (Lindane)	µg/kg	16	0.86	10	2	12.5	5.43	2.2	310	14
SE	Pesticides	gamma-Chlordane	µg/kg	38	0.055	0.964	8	21.05	0.37	2.2	310	30
SE	Pesticides	Heptachlor	µg/kg	16	1.4	1100	4	25	281.33	2.2	39	12
SE	Pesticides	Heptachlor Epoxide	µg/kg	38	0.278	1.26	4	10.53	0.61	2.2	310	34
SE	Pesticides	Methoxychlor	µg/kg	16	9.5	290	5	31.25	78.9	22	390	11
SE	Pesticides	Total Chlordane (a&g; U=1/2; Max RL)	µg/kg	38	0.29	22.5	15	39.47	9.55	2.2	310	23
SE	Pesticides	Total DDT (U=1/2; Max RL)	µg/kg	38	0.44	81	24	63.16	36.1	4.3	600	14
SE	Pesticides	Toxaphene	µg/kg	38			0	0		110	35000	38
SE	SEM Metals	Arsenic-SEM	umol/g	3	0.00974	0.0155	3	100	0.01			0
SE	SEM Metals	Barium-SEM	umol/g	3	0.728	2.28	3	100	1.27			0
SE	SEM Metals	Chromium-SEM	umol/g	3	0.285	0.617	3	100	0.46			0
SE	SEM Metals	Copper-SEM	umol/g	3	0.26	0.551	3	100	0.38			0
SE	SEM Metals	Lead-SEM	umol/g	3	0.101	0.179	3	100	0.13			0
SE	SEM Metals	Manganese-SEM	umol/g	3	0.926	4.91	3	100	2.65			0

Table 8
Summary of Results for Surface Water Samples

Matrix	Chemical Group	Chemical	Units	Number of Samples	Minimum Detect	Maximum Detect	Number of Detections	Frequency of Detection (%)	Average Detect	Minimum Non Detect	Maximum Non Detect	Number of Non Detects
SE	SEM Metals	Mercury-SEM	umol/g	3	0.00000139	0.00000139	1	33.33	0	0.000000304	0.000000304	2
SE	SEM Metals	Nickel-SEM	umol/g	3	0.0629	0.136	3	100	0.11			0
SE	SEM Metals	Selenium-SEM	umol/g	3	0.00171	0.00171	1	33.33	0	0.00117	0.00117	2
SE	SEM Metals	Silver-SEM	umol/g	3			0	0		0.000185	0.000185	3
SE	SEM Metals	Zinc-SEM	umol/g	3	2.22	8.21	3	100	4.71			0
SE	SVOCs	1,1'-Biphenyl	µg/kg	16	48	12000	8	50	2535.75	520	18000	8
SE	SVOCs	1,2,4-Trichlorobenzene	µg/kg	38			0	0		5	1100	38
SE	SVOCs	1,2-Diphenylhydrazine	µg/kg	13			0	0		22.6	408	13
SE	SVOCs	2,4,5-Trichlorophenol	µg/kg	16			0	0		1100	62000	16
SE	SVOCs	2,4,6-Trichlorophenol	µg/kg	16			0	0		430	25000	16
SE	SVOCs	2,4-Dichlorophenol	µg/kg	16			0	0		430	25000	16
SE	SVOCs	2,4-Dimethylphenol	µg/kg	16			0	0		430	25000	16
SE	SVOCs	2,4-Dinitrophenol	µg/kg	16			0	0		650	62000	16
SE	SVOCs	2,4-Dinitrotoluene	µg/kg	41	2.13	204	6	14.63	83.22	18.9	25000	35
SE	SVOCs	2,6-Dinitrotoluene	µg/kg	41	90.2	23000	9	21.95	2775.13	19.8	25000	32
SE	SVOCs	2-Chloronaphthalene	µg/kg	41	2.24	47.2	7	17.07	14.76	10.8	25000	34
SE	SVOCs	2-Chlorophenol	µg/kg	16			0	0		430	25000	16
SE	SVOCs	2-Methylnaphthalene	µg/kg	41	29.1	28000	33	80.49	2721.85	10.5	18000	8
SE	SVOCs	2-Methylphenol	µg/kg	16			0	0		430	25000	16
SE	SVOCs	2-Nitroaniline	µg/kg	16			0	0		1100	62000	16
SE	SVOCs	2-Nitrophenol	µg/kg	16			0	0		430	25000	16
SE	SVOCs	3,3'-Dichlorobenzidine	µg/kg	40	0.151	216	9	22.5	83.15	20.1	25000	32
SE	SVOCs	3-Nitroaniline	µg/kg	16			0	0		1100	62000	16
SE	SVOCs	4,6-Dinitro-2-methylphenol	µg/kg	16			0	0		530	62000	16
SE	SVOCs	4-Bromophenyl-phenylether	µg/kg	41	361	361	1	2.44	361	14.4	25000	40
SE	SVOCs	4-Chloro-3-methylphenol	µg/kg	16			0	0		430	25000	16
SE	SVOCs	4-Chloroaniline	µg/kg	16	220	460	2	12.5	340	430	25000	14
SE	SVOCs	4-Chlorophenyl-phenylether	µg/kg	41	146	146	1	2.44	146	20.9	25000	40
SE	SVOCs	4-Methylphenol	µg/kg	16	290	290	1	6.25	290	430	25000	15
SE	SVOCs	4-Nitroaniline	µg/kg	16			0	0		1100	62000	16
SE	SVOCs	4-Nitrophenol	µg/kg	16	2600	2600	1	6.25	2600	1100	62000	15
SE	SVOCs	Acenaphthene	µg/kg	41	2.47	20000	40	97.56	2775.28	18000	18000	1
SE	SVOCs	Acenaphthylene	µg/kg	41	44.3	31000	35	85.37	3690.47	385	18000	6
SE	SVOCs	Acetophenone	µg/kg	16	39	290	4	25	121	430	25000	12
SE	SVOCs	Anthracene	µg/kg	41	23.2	14000	38	92.68	1722.77	530	18000	3
SE	SVOCs	Atrazine	µg/kg	16			0	0		430	25000	16
SE	SVOCs	Azobenzene	µg/kg	23	10.9	30.6	2	8.7	20.75	16.7	408	21
SE	SVOCs	Benzaldehyde	µg/kg	16	43	43	1	6.25	43	430	25000	15
SE	SVOCs	Benzidine	µg/kg	25	119	776	9	36	288.89	31	408	16
SE	SVOCs	Benzo(a)anthracene	µg/kg	41	37	4400	35	85.37	1198.77	392	18000	6
SE	SVOCs	Benzo(a)pyrene	µg/kg	40	140	4400	31	77.5	1559.11	385	18000	10
SE	SVOCs	Benzo(b)fluoranthene	µg/kg	40	47	3670	35	87.5	1127.06	400	25000	6
SE	SVOCs	Benzo(g,h,i)perylene	µg/kg	40	100	14000	35	87.5	2089.52	400	25000	6
SE	SVOCs	Benzo(k)fluoranthene	µg/kg	41	33	3750	36	87.8	1006.86	400	25000	5
SE	SVOCs	bis(2-Chloroethoxy)methane	µg/kg	41	0.327	55.6	5	12.2	21.51	29.1	25000	36
SE	SVOCs	bis(2-Chloroethyl)ether	µg/kg	41	0.672	1530	9	21.95	351.44	27.9	25000	32
SE	SVOCs	bis(2-Chloroisopropyl)ether	µg/kg	41	9.16	1970	15	36.59	363.06	12.1	25000	26
SE	SVOCs	bis(2-Ethylhexyl)phthalate	µg/kg	40	157.8	14400	29	72.5	2855.96	392	16000	12
SE	SVOCs	Butylbenzylphthalate	µg/kg	41	0.578	485	18	43.9	117.29	16.9	25000	23
SE	SVOCs	Caprolactam	µg/kg	16			0	0		430	25000	16
SE	SVOCs	Carbazole	µg/kg	16	70	200	2	12.5	135	430	25000	14
SE	SVOCs	Chrysene	µg/kg	40	60	6150	39	97.5	1680.53	18000	18000	2

Table 8
Summary of Results for Surface Water Samples

Matrix	Chemical Group	Chemical	Units	Number of Samples	Minimum Detect	Maximum Detect	Number of Detections	Frequency of Detection (%)	Average Detect	Minimum Non Detect	Maximum Non Detect	Number of Non Detects
SE	SVOCs	Dibenz(a,h)anthracene	µg/kg	41	41.1	495.9	19	46.34	214.98	50.5	25000	22
SE	SVOCs	Dibenzofuran	µg/kg	16	57	3300	3	18.75	1146	430	25000	13
SE	SVOCs	Diethylphthalate	µg/kg	41	0.176	436.2	20	48.78	127.15	17.4	25000	21
SE	SVOCs	Dimethylphthalate	µg/kg	25	5.45	2000	7	28	322.64	16.4	408	18
SE	SVOCs	Di-n-butylphthalate	µg/kg	41	3.88	487	16	39.02	132.34	60.1	25000	25
SE	SVOCs	Di-n-octylphthalate	µg/kg	40	15.3	295	20	50	56.34	14.7	25000	21
SE	SVOCs	Fluoranthene	µg/kg	41	76.4	40000	40	97.56	5357.3	18000	18000	1
SE	SVOCs	Fluorene	µg/kg	41	18.1	21000	39	95.12	1989.24	530	18000	2
SE	SVOCs	Hexachlorobenzene	µg/kg	41	13.8	129000	27	65.85	8046.3	24.9	25000	14
SE	SVOCs	Hexachlorobutadiene	µg/kg	41	35	30000	24	58.54	7924.65	20.5	25000	17
SE	SVOCs	Hexachlorocyclopentadiene	µg/kg	16			0	0		430	25000	16
SE	SVOCs	Hexachloroethane	µg/kg	41	21.3	7100	20	48.78	1311.92	22.3	25000	21
SE	SVOCs	Indeno(1,2,3-cd)pyrene	µg/kg	16	86	3700	11	68.75	1228.73	530	25000	5
SE	SVOCs	Isophorone	µg/kg	16			0	0		430	25000	16
SE	SVOCs	Naphthalene	µg/kg	41	35.9	41500	32	78.05	2743.46	121	18000	9
SE	SVOCs	Nitrobenzene	µg/kg	16			0	0		430	25000	16
SE	SVOCs	n-Nitroso-di-n-propylamine	µg/kg	16			0	0		430	25000	16
SE	SVOCs	n-Nitrosodiphenylamine	µg/kg	16	470	470	1	6.25	470	430	25000	15
SE	SVOCs	Pentachlorophenol	µg/kg	16	3100	3100	1	6.25	3100	1100	62000	15
SE	SVOCs	Phenanthere	µg/kg	41	50	46800	40	97.56	6828.71	18000	18000	1
SE	SVOCs	Phenol	µg/kg	16	67	67	1	6.25	67	430	25000	15
SE	SVOCs	Pyrene	µg/kg	41	58	98000	41	100	10808.15			0
SE	SVOCs	Total HPAHs (U=1/2; Max RL)	µg/kg	41	955	176300	41	100	29880.41			0
SE	SVOCs	Total LPAHs (U=1/2; Max RL)	µg/kg	41	218	164500	40	97.56	19310.7	18000	18000	1
SE	SVOCs	Total PAHs (U=1/2; Max RL)	µg/kg	40	2549	263100	40	100	51282.5			0
SE	SVOCs	Toxaphene	µg/kg	38			0	0		110	35000	38
SE	VOCs	1,1,1,2-Tetrachloroethane	µg/kg	22			0	0		5	100	22
SE	VOCs	1,1,1-Trichloroethane	µg/kg	41			0	0		2	1100	41
SE	VOCs	1,1,2,2-Tetrachloroethane	µg/kg	41			0	0		1.78	1100	41
SE	VOCs	1,1,2-Trichloroethane	µg/kg	41			0	0		1.72	1100	41
SE	VOCs	1,1-Dichloroethane	µg/kg	41	2	24.1	2	4.88	13.05	1.46	1100	39
SE	VOCs	1,1-Dichloroethene	µg/kg	41			0	0		1.63	1100	41
SE	VOCs	1,1-Dichloropropene	µg/kg	22	8.1	8.1	1	4.55	8.1	5	100	21
SE	VOCs	1,2,3-Trichloropropane	µg/kg	22			0	0		5	100	22
SE	VOCs	1,2,4-Trimethylbenzene	µg/kg	21	51.6	51.6	1	4.76	51.6	5	100	20
SE	VOCs	1,2-Dibromo-3-chloropropane	µg/kg	38			0	0		5	1100	38
SE	VOCs	1,2-Dibromoethane	µg/kg	16			0	0		13	1100	16
SE	VOCs	1,2-Dichlorobenzene	µg/kg	40	6.89	348	2	5	177.44	6	1100	38
SE	VOCs	1,2-Dichloroethane	µg/kg	41			0	0		2.63	1100	41
SE	VOCs	1,2-Dichloropropane	µg/kg	41			0	0		1.58	1100	41
SE	VOCs	1,3,5-Trimethylbenzene	µg/kg	22	46.3	46.3	1	4.55	46.3	5	100	21
SE	VOCs	1,3-Dichlorobenzene	µg/kg	41	2	33000	29	70.73	2454.13	5	408	12
SE	VOCs	1,3-Dichloropropane	µg/kg	22			0	0		5	100	22
SE	VOCs	1,4-Dichlorobenzene	µg/kg	41	2	4980	25	60.98	684.48	6	408	16
SE	VOCs	2,2-Dichloropropane	µg/kg	22			0	0		3.65	100	22
SE	VOCs	2-Butanone (MEK)	µg/kg	38	7	45	8	21.05	20.5	13	2000	30
SE	VOCs	2-Chloroethylvinylether	µg/kg	25			0	0		5	100	25
SE	VOCs	2-Chlorotoluene	µg/kg	22			0	0		5	100	22
SE	VOCs	2-Hexanone	µg/kg	38			0	0		13	1100	38
SE	VOCs	4-Chlorotoluene	µg/kg	22			0	0		5	100	22
SE	VOCs	4-Isopropyltoluene	µg/kg	22	20.3	20.3	1	4.55	20.3	5	100	21
SE	VOCs	4-Methyl-2-pentanone (MIBK)	µg/kg	38			0	0		13	1100	38

Table 8
Summary of Results for Surface Water Samples

Matrix	Chemical Group	Chemical	Units	Number of Samples	Minimum Detect	Maximum Detect	Number of Detections	Frequency of Detection (%)	Average Detect	Minimum Non Detect	Maximum Non Detect	Number of Non Detects
SE	VOCs	Acetone	µg/kg	38	205	205	1	2.63	205	13	2000	37
SE	VOCs	Acrolein	µg/kg	25			0	0		13.47	1000	25
SE	VOCs	Acrylonitrile	µg/kg	25			0	0		5.9	1000	25
SE	VOCs	Benzene	µg/kg	41	2	494	15	36.59	160.01	3.65	100	26
SE	VOCs	Bromobenzene	µg/kg	22			0	0		5	100	22
SE	VOCs	Bromo-chloromethane	µg/kg	22			0	0		5	100	22
SE	VOCs	Bromo-dichloromethane	µg/kg	41			0	0		1.76	1100	41
SE	VOCs	Bromoform	µg/kg	41			0	0		1.24	1100	41
SE	VOCs	Bromo-methane	µg/kg	41			0	0		4.63	1100	41
SE	VOCs	Carbon disulfide	µg/kg	38	8	420	7	18.42	164.86	5	1100	31
SE	VOCs	Carbon tetrachloride	µg/kg	41			0	0		1.74	1100	41
SE	VOCs	Chloro-benzene	µg/kg	41	1	2200	17	41.46	309.25	1.88	100	24
SE	VOCs	Chloro-ethane	µg/kg	41			0	0		2.13	1100	41
SE	VOCs	Chloro-form	µg/kg	41	1	1	1	2.44	1	1.64	1100	40
SE	VOCs	Chloro-methane	µg/kg	41			0	0		1.99	1100	41
SE	VOCs	cis-1,2-Dichloro-ethene	µg/kg	38			0	0		5	1100	38
SE	VOCs	cis-1,3-Dichloro-propene	µg/kg	41			0	0		1.6	1100	41
SE	VOCs	Cyclohexane	µg/kg	16	2	390	3	18.75	132	13	1100	13
SE	VOCs	Dibromo-chloro-methane	µg/kg	41			0	0		1.39	1100	41
SE	VOCs	Dibromo-methane	µg/kg	22			0	0		5	100	22
SE	VOCs	Dichloro-difluoro-methane	µg/kg	38			0	0		5	1100	38
SE	VOCs	Dichloro-methane	µg/kg	41	11	11	1	2.44	11	1.86	1100	40
SE	VOCs	Ethylbenzene	µg/kg	41	4	650	12	29.27	172.92	1.8	100	29
SE	VOCs	Isopropylbenzene	µg/kg	38	6	29000	22	57.89	2466.51	3.65	16	16
SE	VOCs	Methyl acetate	µg/kg	16			0	0		13	8700	16
SE	VOCs	Methyl cyclohexane	µg/kg	16	3	620	12	75	213.58	13	16	4
SE	VOCs	Methyl-tert-butylether	µg/kg	16			0	0		13	1100	16
SE	VOCs	n-Butylbenzene	µg/kg	22	176	176	1	4.55	176	5	100	21
SE	VOCs	n-Hexane	µg/kg	22	24.9	24.9	1	4.55	24.9	12	400	21
SE	VOCs	n-Propylbenzene	µg/kg	22	66	180	2	9.09	123	5	100	20
SE	VOCs	sec-Butylbenzene	µg/kg	22	10	109	2	9.09	59.5	5	100	20
SE	VOCs	Styrene	µg/kg	38	10	86	3	7.89	39.67	5	1100	35
SE	VOCs	tert-Butylbenzene	µg/kg	22	40.9	108	2	9.09	74.45	5	50	20
SE	VOCs	Tetrachloro-ethene	µg/kg	38	13	13	1	2.63	13	5	1100	37
SE	VOCs	Toluene	µg/kg	38	2	950	11	28.95	181.89	5	100	27
SE	VOCs	Total xylene	µg/kg	38	2	3500	15	39.47	575.67	5	100	23
SE	VOCs	trans-1,2-Dichloro-ethene	µg/kg	38			0	0		3.65	1100	38
SE	VOCs	trans-1,3-Dichloro-propene	µg/kg	41			0	0		1.69	1100	41
SE	VOCs	Trichloro-ethane	µg/kg	16	1	18	4	25	5.75	13	1100	12
SE	VOCs	Trichloro-ethene	µg/kg	25			0	0		1.9	100	25
SE	VOCs	Trichloro-fluoro-methane	µg/kg	38	2	26	4	10.53	13	5	1100	34
SE	VOCs	Trichloro-trifluoro-ethane	µg/kg	16			0	0		13	1100	16
SE	VOCs	Vinyl Acetate	µg/kg	22			0	0		5	100	22
SE	VOCs	Vinyl chloride	µg/kg	41	13	13	1	2.44	13	2	1100	40

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code	TMDL 4A	TMDL 4A	TRRP 4A	TMDL 6A	TMDL 6A	TRRP 6A	TMDL E	TMDL E	TMDL G	TMDL G	TMDL Q	TMDL Q	TMDL R	TMDL R	TRRP R
Location ID	4a-9/5/2000	4A-4/24/2001	4A-8/12/2003	6a-9/5/2000	6A-4/25/2001	6A-8/12/2003	E-9/6/2000	E-4/23/2001	G-9/6/2000	G-4/24/2001	Q-9/5/2000	Q-4/25/2001	R-9/5/2000	R-4/26/2001	R-8/12/2003
Sample ID	9/5/2000	4/24/2001	8/12/2003	9/5/2000	4/25/2001	8/12/2003	9/6/2000	4/23/2001	9/6/2000	4/24/2001	9/5/2000	4/25/2001	9/5/2000	4/26/2001	8/12/2003
Sample Date	9/5/2000	4/24/2001	8/12/2003	9/5/2000	4/25/2001	8/12/2003	9/6/2000	4/23/2001	9/6/2000	4/24/2001	9/5/2000	4/25/2001	9/5/2000	4/26/2001	8/12/2003
Depth Interval	0-0.33 ft	0-0.33 ft	0-0.33 ft	0-0.33 ft	0-0.33 ft	0-0.33 ft	N	N	N	N	N	N	N	N	N
Sample Type	N	N	N	N	N	N	--	--	--	--	--	--	--	--	N
Conventionals															
Acid volatile sulfides ($\mu\text{mol/g}$)	--	--	31.75	--	--	36.03	--	--	--	--	--	--	--	--	15.69
Ammonia (mg/kg)	--	--	134	--	--	362	--	--	--	--	--	--	--	--	39.7
Conductivity ($\mu\text{mhos/cm}$)	--	3665	--	--	5470	--	--	6364	--	4193	--	5678	--	4900	--
Cyanide (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Oxygen (mg/L)	--	7.46	--	--	6.53	--	--	7.32	--	6.68	--	6.21	--	8.99	--
Moisture (%)	58.2	38.5	55.9	27	22.9	38.1	37.1	37.0	40.1	31.7	44.6	41.2	23.6	14.8	16.5
pH	--	7.78	7.52	--	7.68	--	--	8.32	--	7.35	--	7.64	--	7.89	8.15
Salinity (ppm)	--	0.00194	--	--	0.00297	--	--	0.00344	--	0.0022	--	0.00308	--	0.00265	--
Temperature (deg C)	--	24.7	--	--	22.1	--	--	33.85	--	31.15	--	21.3	--	24.3	--
Total organic carbon (%)	3.1	2.75	8.1 J	1.5	1.31	5.6 J	1.4	2.41	2.8	2.23	2.3	4.02	1.3	2.53	3.0 J
Total solids (%)	58.92	41.6	44.1	79.66	46.7	61.9	66.11	58	65.35	71.9	62.46	48.4	81.32	83.4	83.5
Grain Size (%)															
Gravel	--	--	0.00	--	--	0.5	--	--	--	--	--	--	--	--	21.4
Sand	43.6	29.5	17.3	91.43	78.5	77.3	60.75	51.9	72.63	84.1	87.72	46	87.2	81.1	72.6
Silt	35.3	47.3	58.9	4.29	13.6	16.5	20.9	33.8	10.9	9.39	12.3	34.3	8.32	11.8	3.8
Clay	21.2	23.2	23.8	4.29	7.93	5.6	18.37	14.3	16.5	6.54	0	19.7	4.48	7.2	2.2
Metals (mg/kg)															
Aluminum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	3.32	10.0	4.23	5.37	11.4	3.12	2.15	7.78	4.98	12.6	5.23	12.7	164	29.8	11.1
Barium	325	366 J	240	779	696	274	241	334	265	277	447	429	307	238	168
Beryllium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	0.719	1.32	0.772	0.288	0.361	1.16	0.234	0.524	0.183	0.382	0.35	1.84	1.03	0.411	0.596
Calcium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium	123	82.1 J	91.6	63.7	56	77.6	55	56.1	46.3	54.4	40.9	380	73	457	17.9
Cobalt	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	65	57.5	48.2	24.3	34.8	71	29.9	55	65.3	79.1	25.6	180	271	70.3	221
Iron	14100	14900 J	10300	9860	12800	6500	7800	14400	27600	44600	11600	20500	39600	22500	13800
Lead	36 J	39.7	55.9	34.6 J	50.6	76.6	25	47.5	39.8 J	52	27.3	193	260	47.2	46.3
Magnesium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	6.62	6.26	19.9	0.46	0.299	2.53	3.08	4.21	1.77	1.46	0.327	1.12	0.0549	0.133	0.163
Mercury (bias corrected)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	30.3	31.5	26.5	21.1	20.2	15.7	15.8	30.1	56.8	61.7	17.5	156	26.6	54.5	11.4
Potassium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium	1.18	0.996	1.06 J	1.32	0.367 U	1.07 J	2.56	0.842	0.537	0.424	0.393	0.982	0.727	0.565	0.518 J
Silver	1.57	1.17	0.574 J	0.173	0.373	1.53	0.29	0.652	0.24	0.247	0.507	0.577	0.384	0.246	0.173 J
Sodium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc	311	303	305 J	249	294	353 J	120	257	277	400	304	1100	1750	479	256 J
Diox/Furans (ng/kg)															
1,2,3,4,6,7,8-HpCDD	229	253 J	--	254	253 J	--	153	384 J	87.8	63.9 J	375	1835 J	37.9	36.5 J	--
1,2,3,4,6,7,8-HpCDF	243	175 J	--	136	71.6	--	1312	535 J	462	284 J	146	1360	14.8	32.7 J	--

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code Location ID Sample ID Sample Date Depth Interval Sample Type	TMDL 4A 4a-9/5/2000	TMDL 4A 4A-4/24/2001	TRRP 4A 4A-8/12/2003	TMDL 6A 6a-9/5/2000	TMDL 6A 6A-4/25/2001	TRRP 6A 6A-8/12/2003	TMDL E E-9/6/2000	TMDL E E-4/23/2001	TMDL G G-9/6/2000	TMDL G G-4/24/2001	TMDL Q Q-9/5/2000	TMDL Q Q-4/25/2001	TMDL R R-9/5/2000	TMDL R R-4/26/2001	TMDL R R-4/26/2001	TRRP R R-8/12/2003
1,2,3,4,7,8,9-HxCDF	43.8	30.5 J	--	16.1	7.28	--	126	77.4 J	182	87.2 J	17	124	2.38	4.06 J	--	
1,2,3,4,7,8-HxCDD	4.73	5.57	--	2.91	3.28	--	1 U	8.62 J	3.48 U	1.67	6.1	20.1	1.81	1.34	--	
1,2,3,4,7,8-HxCDF	151	115 J	--	43.7	22	--	243	282 J	898	496	27.8	376	8.71	8.4	--	
1,2,3,6,7,8-HxCDD	10.1	13	--	12.2	9.34	--	7.25	15.2 J	2.95 U	1.98	14.4	67	1.93	1.75	--	
1,2,3,6,7,8-HxCDF	45.2	38.8 J	--	18	8.91	--	81	90.9	227	129 J	10.6	118	3.1	3.27 J	--	
1,2,3,7,8,9-HxCDD	10.5	14.2	--	8.86	7.84	--	6.45	13.3	3.07 U	0.53 U	18.9	36.5	3.38	0.58 U	--	
1,2,3,7,8,9-HxCDF	6.05	5.41 J	--	1.02	0.42 U	--	7.89	9.15 J	28.1	8.42 J	1.16	5.32	0.6 U	0.67 U	--	
1,2,3,7,8-PeCDD	2.32	2.3 U	--	1.29 U	0.98 U	--	0.86 U	3.39 J	0.83 U	0.73 U	2.44	9.75	0.52 U	0.74 U	--	
1,2,3,7,8-PeCDF	90.3	63.3 J	--	11.9	4.48	--	131	206 J	560	314	4.5	37.6	4.75	1.42	--	
2,3,4,6,7,8-HxCDF	11.1	9.88 J	--	5.33	3.29	--	15.1	13.5 J	32.8	15.7	6.72	25.5	2.02	1.84	--	
2,3,4,7,8-PeCDF	34.8	29.2 J	--	14.4	8.06	--	42.9	74.4 J	156	92	9.06	27.9	1.66	1.54	--	
2,3,7,8-TCDD	12.7	6.49 J	--	2.04	0.45 U	--	14.6	23	6.45	4.73	0.62 U	0.84 U	0.43 U	0.91 U	--	
2,3,7,8-TCDF	75.6	36.8 J	--	21.8	5.47	--	89.6	109 J	150	74.5	10.1	13.8	2.45	1.23	--	
OCDD	2463	3308	--	2672	2727	--	1666	4448	1130	1234	3669	20048	411	358	--	
OCDF	2421	1235	--	679	192	--	19695	15027	4925	7466	389	2377	78.3	126	--	
Total HpCDD	621	718	--	593	569	--	434	1018	237	220	1233	3996	106	119	--	
Total HpCDF	444	312	--	265	142	--	1828	999	1017	564	387	2277	26.7	55.3	--	
Total HxCDD	118	151	--	99	100	--	96.2	224	10.7	28.6	196	584	35.1	32.8	--	
Total HxCDF	400	329	--	174	92.8	--	738	767	1787	973	182	1167	29.6	30	--	
Total PeCDD	15.6	0.58 U	--	4.15	9.07	--	0.86 U	44.2	0.78 U	0.7 U	6.57	105	0.52 U	0.42 U	--	
Total PeCDF	323	204	--	127	66	--	451	703	1611	879	76.5	426	19.3	15.7	--	
Total TCDD	33.8	16.3	--	11.6	5.47	--	17.8	33.4	11.7	5.78	12.6	24.4	6.43	0.909	--	
Total TCDF	251	173	--	144	71.5	--	329	405	497	269	87.3	207	9.03	4.63	--	
Total TEQ (as reported by Lab)	77.2	57.2	--	29.3	16.5	--	125	166	259	152	25	143	4.45	3.84	--	
Total D/F TEQ-Bird (U=1/2; max RL)	161	101	--	50.1	20.5	--	213	280	495	273	31.7	132	7.17	5.68	--	
Total D/F TEQ-Fish (U=1/2; max RL)	68.2	50	--	22.2	11.8	--	99.3	132	247	141	18.4	109	4.29	4.25	--	
Total D/F TEQ-Mammal (U=1/2; max RL)	74	54.3	--	26.2	14.6	--	106	140	255	145	22.9	128	4.51	4.29	--	
PCBs (µg/kg)																
Aroclor 1016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Aroclor 1221	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Aroclor 1232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Aroclor 1242	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Aroclor 1248	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Aroclor 1254	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Aroclor 1260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Mean Aroclor PCB	1690	398	--	9370	2060	--	370	1580	399	197	3780	1070	103	37.7	--	
Total PCBs (U=1/2; Max RL)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Pesticides (µg/kg)																
4,4'-DDD	38 U	40 UJ	--	39 U	40 U	--	40 U	40 U	41 U	0.14 J	39 U	3.63	38 U	0.073 J	--	
4,4'-DDE	8.57	2.43 J	--	14.9	40 U	--	5.54	4.06	5.99	0.211 J	14.8	1.01	5.23	2.07 J	--	
4,4'-DDT	38 U	40 U	--	39 U	40 U	--	40 U	40 U	41 U	0.095	39 U	1.18	38 U	0.238	--	
Aldrin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
alpha-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
alpha-Chlordane	38 U	40 UJ	--	2.18	40 U	--	40 U	40 U	41 U	0.248 J	2.97	1.14	3.41	40 UJ	--	
beta-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code Location ID Sample ID Sample Date Depth Interval Sample Type	TMDL 4A 4a-9/5/2000	TMDL 4A 4A-4/24/2001	TRRP 4A 4A-8/12/2003	TMDL 6A 6a-9/5/2000	TMDL 6A 6A-4/25/2001	TRRP 6A 6A-8/12/2003	TMDL E E-9/6/2000	TMDL E E-4/23/2001	TMDL G G-9/6/2000	TMDL G G-4/24/2001	TMDL Q Q-9/5/2000	TMDL Q Q-4/25/2001	TMDL R R-9/5/2000	TMDL R R-4/26/2001	TMDL R R-4/26/2001	TRRP R R-8/12/2003
delta-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Dieldrin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Endosulfan I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Endosulfan II	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Endosulfan Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Endrin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Endrin aldehyde	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Endrin ketone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
gamma-BHC (Lindane)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
gamma-Chlordane	38 U	40 UJ	--	39 U	0.055	--	40 U	40 U	41 U	0.151 J	39 U	0.964	38 U	40 UJ	--	
Heptachlor	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Heptachlor Epoxide	38 U	40 UJ	--	39 U	40 U	--	40 U	40 U	41 U	0.576 J	39 U	40 U	38 U	40 UJ	--	
Methoxychlor	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Toxaphene	1538 U	1600 U	--	1538 U	1600 U	--	1569 U	1600 U	1569 U	1600 U	1569 U	1600 U	1667 U	1600 U	--	
Total DDT (U=1/2; Max RL)	46.6	42.4	--	53.9	40 U	--	45.5	44.1	47	0.44	53.8	5.82	43.2	2.38	--	
Total Chlordane (a&g; U=1/2; Max RL)	38 U	40 U	--	21.7	20	--	40 U	40 U	41 U	0.39	22.5	2.1	22.4	40 U	--	
SVOCs (µg/kg)																
1,1'-Biphenyl	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2,4-Trichlorobenzene	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--	
1,2-Diphenylhydrazine	385 U	--	31.6 U	392 U	--	22.6 U	400 U	--	408 U	--	392 U	--	385 U	--	--	
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4-Dimethylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4-Dinitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4-Dinitrotoluene	385 U	204 J	35.7 U	392 U	660 U	25.5 U	660 U	2.13	408 U	660 U	392 U	10.9 J	385 U	62.7	18.9 U	
2,6-Dinitrotoluene	385 U	158 J	37.5 U	392 U	134 J	26.8 U	660 U	296 J	408 U	400 U	392 U	187 J	385 U	90.2	19.8 U	
2-Chloronaphthalene	400 U	3.02	20.4 U	392 U	9.23 J	14.5 U	660 U	5.66 J	408 U	400 U	392 U	47.2 J	385 U	2.24	10.8 U	
2-Chlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2-Methylnaphthalene	335	96.9	223.2 J	164	51.2 J	537.6	202	570 J	408 U	29.5	250	212 J	108	73.2	10.5 U	
2-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
3,3'-Dichlorobenzidine	385 U	58.2 J	38.1 U	392 U	1.81 J	27.2 U	400 U	131 J	408 U	19.3	392 U	216 J	385 U	24.9	20.1 U	
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4,6-Dinitro-2-methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4-Bromophenyl-phenylether	385 U	400 U	27.3 U	392 U	400 UJ	19.5 U	400 U	400 UJ	408 U	400 U	392 U	400 UJ	385 U	400 U	14.4 U	
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4-Chloroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4-Chlorophenyl-phenylether	385 U	400 U	39.6 U	392 U	400 UJ	28.3 U	400 U	400 UJ	408 U	400 U	392 U	400 U	385 U	400 U	20.9 U	
4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Acenaphthene	135	268 J	196.5	1160	93.2 J	857.7	472	1590	160	42.7 J	580	99.5	134	169 J	90.3	
Acenaphthylene	493	525	774.7	3290	694 J	1246	1510	3050 J	408 U	88	2030	1770 J	385 U	250	62.37 J	

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code Location ID Sample ID Sample Date Depth Interval Sample Type	TMDL 4A 4a-9/5/2000	TMDL 4A 4A-4/24/2001	TRRP 4A 4A-8/12/2003	TMDL 6A 6a-9/5/2000	TMDL 6A 6A-4/25/2001	TRRP 6A 6A-8/12/2003	TMDL E E-9/6/2000	TMDL E E-4/23/2001	TMDL G G-9/6/2000	TMDL G G-4/24/2001	TMDL Q Q-9/5/2000	TMDL Q Q-4/25/2001	TMDL R R-9/5/2000	TMDL R R-4/26/2001	TMDL R R-4/26/2001	TRRP R R-8/12/2003
Acetophenone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	321	465 J	459.2	2510	342 J	773.5	427	1680 J	230	89.6 J	1490	1350 J	335	403 J	316.7	
Atrazine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Azobenzene	385 U	400 U	--	392 U	400 UJ	--	400 U	400 UJ	408 U	400 U	392 U	400 UJ	385 U	30.6	16.7 U	
Benzaldehyde	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Benzidine	385 U	400 U	58.7 UJ	128	400 UJ	41.9 UJ	400 U	263 J	408 U	213	392 U	353 J	385 U	776	31 U	
Benzo(a)anthracene	983	959	707.2	4400	391	480.7	400 U	1680	1070	739	1860	991	1620	2260	1963	
Benzo(a)pyrene	385 U	1360	804.6	3750	720 U	355.8	660 U	2380	1170	793	1960	1050	1640	2300	1937	
Benzo(b)fluoranthene	1440	1580	944.5	3670	333 J	515.6	333	2410 J	1470	927	2210	1200 J	1820	2440	2130	
Benzo(g,h,i)perylene	1110	966 J	1065	1640	143 J	205.2	656	1330 J	800	625	998	1130 J	1000	1680	1186	
Benzo(k)fluoranthene	1330	1420	413.6 J	3750	313	213.2 J	275	2160	1310	792	2230	1080	1910	2340	1618	
Total LPAHs (U=1/2; Max RL)	3127	2326	2119	15213	1722	6732	5503	12969	2136	850	8433	4508	3472	5032	3031	
bis(2-Chloroethoxy)methane	385 U	400 U	55.2 U	392 U	400 UJ	39.4 U	400 U	0.327 J	408 U	400 U	392 U	40.3 J	385 U	400 U	29.1 U	
bis(2-Chloroethyl)ether	1530	600 U	52.8 U	392 U	400 UJ	37.7 U	400 U	42.7 J	408 U	45.8	392 U	222 J	385 U	92.1	27.9 U	
bis(2-Chloroisopropyl)ether	25.2	741	23 U	420	1970 J	16.4 U	660 U	12.4 J	408 U	32	193	452 J	385 U	417	12.1 U	
bis(2-Ethylhexyl)phthalate	1780	4630	1135	1610	2330	1068	1170	2550	809	507 J	1960	12000	695 U	656 J	157.8	
Butylbenzylphthalate	133	199	31.9 U	174	42.9	22.8 U	75.1	164	408 U	33.8	392 U	6.77	385 U	49.7	16.9 U	
Toxaphene	1538 U	1600 U	--	1538 U	1600 U	--	1569 U	1600 U	1569 U	1600 U	1569 U	1600 U	1667 U	1600 U	--	
Caprolactam	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Carbazole	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Chrysene	1670	1870	740.7	5820	664 J	506	434 J	3090 J	1670	1290	3040	1770 J	2400	3540	2067	
Dibenzo(a,h)anthracene	245	162	50.5 U	431	400 UJ	352.2	64.3	169 J	197	80.9	255	95.3 J	275	487	495.9	
Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Diethylphthalate	385 U	242	436.2	46.2	44.5 J	323.6	45	34.9 J	40.4	47.9	54.2	216 J	385 U	48.1	17.4 U	
Dimethylphthalate	385 U	93.7	31 U	392 U	26	22.1 U	400 U	2000 J	408 U	400 U	392 U	50.3 J	385 U	400 U	16.4 U	
Di-n-butylphthalate	385 U	49.4 J	84.3 U	392 U	52.1 J	60.1 U	660 U	3.88	408 U	70.1 J	392 U	487	385 U	59.6 J	306.6	
Di-n-octylphthalate	44.5	51.2 J	27.7 U	57.9	35.3 J	19.8	32.5 J	89.4	53.5	63.5 J	392 U	295	28.1	15.3 J	14.70 U	
Fluoranthene	2260	2680 J	2341	11400	1100 J	982.7	2130	7620 J	2720	2060	5040	84.9 J	4230	6460	5446	
Fluorene	214	298 J	162.5	559	61 J	576.8	560	1520 J	97.9	28.1	460	131 J	173	236 J	116.7	
Hexachlorobenzene	295	150 J	475.7	392 U	400 UJ	41.9	20400	4520 J	1480	129000 J	392 U	47 J	385 U	39.9	24.9 U	
Hexachlorobutadiene	882	339 J	391.3	392 U	400 UJ	27.6 U	17800	8910 J	408 U	548 J	392 U	400 UJ	385 U	55.7	20.5 U	
Hexachlorocyclopentadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Hexachloroethane	385 UJ	595	42.2 U	764 J	174 J	30.1 U	2720 J	544 J	408 UJ	90.1	392 UJ	264 J	385 UJ	400 U	22.3 U	
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Isophorone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Naphthalene	1050	84.2 J	79.6 J	284	167 J	2004	364	819 J	408 U	49.1 J	473	244 J	67.1	64.1 J	69.5 J	
Nitrobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
n-Nitroso-di-n-propylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
n-Nitrosodiphenylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Pentachlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Phenanthrene	914	686 J	446.1	7410	365 J	1274	2170	4310 J	1240	553 J	3400	914 J	2570	3910 J	2375	
Phenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Pyrene	2490	2810 J	5066	10000	1220 J	1631	4080	11300 J	2100	1580 J	4900	4440 J	3230	5500 J	4104	
Total HPAHs (U=1/2; Max RL)	11720	13807	12108	44861	4724	5242	8502	32139	12507	8887	22493	11841	18125	27007	20947	
Total PAHs (U=1/2; Max RL)	14848	16214	14226	60074	6301	11974	13875	45108	14643	10078	30926	16350	21597	32238	23977	

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code Location ID Sample ID Sample Date Depth Interval Sample Type	TMDL 4A 4a-9/5/2000	TMDL 4A 4A-4/24/2001	TRRP 4A 4A-8/12/2003	TMDL 6A 6a-9/5/2000	TMDL 6A 6A-4/25/2001	TRRP 6A 6A-8/12/2003	TMDL E E-9/6/2000	TMDL E E-4/23/2001	TMDL G G-9/6/2000	TMDL G G-4/24/2001	TMDL Q Q-9/5/2000	TMDL Q Q-4/25/2001	TMDL R R-9/5/2000	TMDL R R-4/26/2001	TRRP R R-8/12/2003
VOCs (µg/kg)															
1,1,1,2-Tetrachloroethane	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--
1,1,1-Trichloroethane	11 U	100 UJ	3.78 U	6.4 U	5 U	2.7 U	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	2.0 U
1,1,2,2-Tetrachloroethane	11 U	100 U	3.37 U	6.4 U	5 U	2.41 U	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	1.78 U
1,1,2-Trichloroethane	11 U	100 U	3.26 U	6.4 U	5 U	2.33 U	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	1.72 U
1,1-Dichloroethane	11 U	100 U	2.76 U	6.4 U	5 U	1.97 U	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	1.46 U
1,1-Dichloroethene	11 U	100 U	3.08 U	6.4 U	5 U	2.2 U	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	1.63 U
1,1-Dichloropropene	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--
1,2,3-Trichloropropane	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--
1,2,4-Trimethylbenzene	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--
1,2-Dibromo-3-chloropropane	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--
1,2-Dibromoethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	385 U	100 U	25.4 U	392 U	6.89	18.1 U	400 U	--	408 U	400 U	392 U	348	385 U	6 U	13.4 U
1,2-Dichloroethane	11 U	100 U	4.98 U	6.4 U	5 U	3.56 U	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	2.63 U
1,2-Dichloropropane	11 U	100 U	2.99 U	6.4 U	5 U	2.13 U	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	1.58 U
1,3,5-Trimethylbenzene	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--
1,3-Dichlorobenzene	115	259	47.1 U	392 U	5 U	33.6 U	2760	2040	408 U	51.1	392 U	53.2	385 U	17.6	24.9 U
1,3-Dichloropropane	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--
1,4-Dichlorobenzene	121	86	41.5 U	392 U	14.9	29.6 U	1040	850	408 U	69.1	392 U	53.9	385 U	6 U	21.9 U
2,2-Dichloropropane	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--
2-Butanone (MEK)	218 U	2000 U	--	128 U	100 U	--	152 U	172 U	146 U	139 U	158 U	1000 U	120 U	120 U	--
2-Chloroethylvinylether	11 UJ	100 UJ	15.3 U	6.4 U	5 U	10.9 U	7.6 UJ	8.6 U	7.3 UJ	7 U	7.9 UJ	50 U	6 UJ	6 UJ	8.09 U
2-Chlorotoluene	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--
2-Hexanone	109 U	1000 U	--	64 U	50 U	--	75.9 U	86.2 U	72.8 U	69.5 U	79.1 U	520 U	60 U	60 U	--
4-Isopropyltoluene	11 U	100 U	--	6.4 U	5 U	--	7.6 U	20.3	7.3 U	7 U	7.9 U	52 U	6 U	6 U	--
4-Methyl-2-pentanone (MIBK)	109 U	1000 U	--	64 U	50 U	--	75.9 U	86.2 U	72.8 U	69.5 U	79.1 U	520 U	60 U	60 U	--
Acetone	218 U	2000 U	--	128 U	100 U	--	152 U	172 U	146 U	139 U	158 U	1000 U	120 U	120 U	--
Acrolein	109 UJ	1000 UJ	25.48 U	64 UJ	50 U	18.19 U	75.9 UJ	86.2 UJ	72.8 UJ	69.5 U	79.1 UJ	520 U	60 UJ	60 UJ	13.47 U
Acrylonitrile	109 U	1000 UJ	16.2 U	64 U	5.9 U	11.6 U	75.9 U	86.2 U	72.8 U	69.5 U	79.1 U	520 U	60 U	60 UJ	8.56 U
Benzene	11 U	100 U	3.65 U	6.4 U	5 U	494	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	2.16 J
Bromobenzene	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--
Bromochloromethane	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--
Bromodichloromethane	11 U	100 UJ	3.33 U	6.4 U	5 U	2.38 U	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	1.76 U
Bromoform	11 U	100 UJ	2.36 U	6.4 U	5 U	1.68 U	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	1.24 U
Bromomethane	22 U	200 UJ	8.77 U	13 U	10 U	6.26 U	15.2 U	17.2 U	15 U	14 U	16 U	100 U	12 U	12 UJ	4.63 U
Carbon disulfide	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--
Carbon tetrachloride	11 U	100 UJ	3.28 U	6.4 U	5 U	2.34 U	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 UJ	6 UJ	1.74 U
Chlorobenzene	11 U	100 U	3.56 U	6.4 U	5 U	4.9 J	7.6 U	8.6 U	8.6	7 U	7.9 U	50 U	6 U	6 U	1.88 U
Chloroethane	21.8 U	200 UJ	4.03 U	12.8 U	10 U	2.88 U	15.2 U	17.2 U	14.6 U	13.9 U	15.8 UJ	100 U	12 U	12 UJ	2.13 U
Chloroform	11 U	100 U	3.1 U	6.4 U	5 U	2.21 U	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	1.64 U
Chloromethane	21.8 U	200 UJ	3.76 U	12.8 U	10 U	2.68 U	15.2 U	17.2 U	14.6 U	13.9 U	15.8 U	100 U	12 U	12 UJ	1.99 U
cis-1,2-Dichloroethene	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--
cis-1,3-Dichloropropene	11 U	100 U	3.04 U	6.4 U	5 U	2.17 U	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	1.60 U
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	11 U	100 U	2.63 U	6.4 U	5 U	1.88 U	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	1.39 U

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code Location ID Sample ID Sample Date Depth Interval Sample Type	TMDL 4A 4a-9/5/2000	TMDL 4A 4A-4/24/2001	TRRP 4A 4A-8/12/2003	TMDL 6A 6a-9/5/2000	TMDL 6A 6A-4/25/2001	TRRP 6A 6A-8/12/2003	TMDL E E-9/6/2000	TMDL E E-4/23/2001	TMDL G G-9/6/2000	TMDL G G-4/24/2001	TMDL Q Q-9/5/2000	TMDL Q Q-4/25/2001	TMDL R R-9/5/2000	TMDL R R-4/26/2001	TRRP R R-8/12/2003
	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Dibromomethane	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--
Dichlorodifluoromethane	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--
Dichloromethane	21.8 U	200 U	3.51 U	12.8 UJ	5 U	2.51 U	15.2 U	8.6 U	14.6 U	7 U	15.8 U	100 U	12 U	6 U	1.86 U
Ethylbenzene	11 U	100 U	3.4 U	6.4 U	5 U	102	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	1.8 U
Isopropylbenzene	15	1950	--	6.4 U	73.9	--	7.6 U	8.6 U	7.3 U	7 U	22.9	1290	6 U	6 U	--
Methyl acetate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyltert-butylether	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	176	6 U	6 U	--
n-Hexane	21.8 U	400 U	--	12.8 U	20 U	--	15.2 U	34.5 U	14.6 U	27.8 U	15.8 U	210 U	12 U	24 U	--
n-Propylbenzene	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	180	6 U	6 U	--
sec-Butylbenzene	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	109	6 U	6 U	--
Styrene	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--
tert-Butylbenzene	11 U	108	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--
Tetrachloroethene	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--
Toluene	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--
trans-1,2-Dichloroethene	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--
trans-1,3-Dichloropropene	11 U	100 U	3.19 U	6.4 U	5 U	2.28 U	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	1.69 U
Trichloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	11 U	100 UJ	3.6 U	6.4 U	5 UJ	2.57 U	7.6 UJ	8.6 UJ	7.3 U	7 U	7.9 U	50 U	6 UJ	6 UJ	1.9 U
Trichlorofluoromethane	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--
Trichlorotrifluoroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Acetate	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--
Vinyl chloride	4.4 U	40 UJ	3.9 U	2.6 U	2 UJ	2.78 U	3 U	13	2.9 U	2.8 U	3.2 U	20 U	2.4 U	2.4 UJ	2.06 U
Total xylene	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--
4-Chlorotoluene	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U	50 U	6 U	6 U	--

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code	TMDL	TMDL	EPA SSI	EPA SSI	EPA SSI	EPA SSI	EPA SSI	EPA SSI	EPA SSI	EPA SSI
Location ID	S	S	SE-04	SE-05	SE-05	SE-14	SE-17	SE-18	SE-18	SE-19
Sample ID	S-9/5/2000	S-4/24/2001	SE-04_3/28/00_(0-1.5)	SE-05_3/28/00_(0-1.66)	SE-06_3/28/00_(0-1.66)	SE-14_3/30/00_(0-1.16)	SE-17_3/30/00_(0-0.5)	SE-18_3/30/00_(0-0.66)	SE-18_3/30/00_(0-0.66)	SE-19_3/30/00_(0-1.5)
Sample Date	9/5/2000	4/24/2001	3/28/2000	3/28/2000	3/28/2000	3/30/2000	3/30/2000	3/30/2000	3/30/2000	3/30/2000
Depth Interval	0-0.33 ft	0-0.33 ft	0-1.5 ft	0-1.66 ft	0-1.66 ft	0-1.16 ft	0-0.5 ft	0-0.66 ft	0-0.66 ft	0-1.5 ft
Sample Type	N	N	N	N	FD	N	N	N	N	N
Conventionals										
Acid volatile sulfides ($\mu\text{mol/g}$)	--	--	--	--	--	--	--	--	--	--
Ammonia (mg/kg)	--	--	--	--	--	--	--	--	--	--
Conductivity ($\mu\text{hos/cm}$)	26290	3861	--	--	--	--	--	--	--	--
Cyanide (mg/kg)	--	--	0.045 U	0.05 U	0.05 U	0.43 JL	0.26 JL	0.035 UJ	0.75 JL	
Dissolved Oxygen (mg/L)	--	6.51	--	--	--	--	--	--	--	--
Moisture (%)	47.5	37.2	--	--	--	--	--	--	--	--
pH	7.32	7.59	--	--	--	--	--	--	--	--
Salinity (ppm)	0.01528	0.00203	--	--	--	--	--	--	--	--
Temperature (deg C)	37.2	28.05	--	--	--	--	--	--	--	--
Total organic carbon (%)	1.7	3.48	--	--	--	--	--	--	--	--
Total solids (%)	85.13	51	--	--	--	--	--	--	--	--
Grain Size (%)										
Gravel	--	--	--	--	--	--	--	--	--	--
Sand	67.43	23.6	--	--	--	--	--	--	--	--
Silt	20.5	51.5	--	--	--	--	--	--	--	--
Clay	12.1	24.9	--	--	--	--	--	--	--	--
Metals (mg/kg)										
Aluminum	--	--	4500	4300	5040	10400	4880	6950	7940	
Antimony	--	--	0.39 U	0.96 L	0.435 U	0.79 UJLC	1.2 JL	1.1 UJLC	1.3 UJLC	
Arsenic	4.39	12	5.8	4.9	6	5.7	9.7	4.1	4.2	
Barium	329	522	269	261	256	203	117	845	370	
Beryllium	--	--	0.42 L	0.195 U	0.49 L	1 L	0.72 L	0.74 L	0.77 L	
Cadmium	0.436	0.268	0.93 L	1.5 L	0.96 L	0.83 L	1.1 L	0.44 L	0.64 L	
Calcium	--	--	72600	61600	55100	16200	144000	67200	23400	
Chromium	73.9	182	183	158	164	56	280	96.5	78.5	
Cobalt	--	--	8.9 L	7.1 L	7.3 L	7.6 L	6.3 L	12.2 L	7.8 L	
Copper	104	80.2	99.3	69.7	86.2	60.2	31.7	23.7	43.7	
Iron	11300	19800	6450	5980	7230	12100	27900	8670	9290	
Lead	47.8 J	124	117	85.9	95.6	32.6	34.5	33.4	37.3	
Magnesium	--	--	3290	3020	3410	2030	8340	2240	1960	
Manganese	--	--	172	166	160	223	3500	411	162	
Mercury	10.7	23.9	20.7 J	12.1 J	41.5 J	0.45	0.17	0.47	0.59	
Mercury (bias corrected)	--	--	11.31 J	6.61 J	22.68 J	--	--	--	--	
Nickel	24	48.1	51.2	38.3	43.6	20.9	14.1	18.3	20.4	
Potassium	--	--	970 L	947 L	1280 L	936 L	369 L	743 L	769 L	
Selenium	0.854	0.797	0.6 U	0.6 U	0.65 U	0.5 U	1 L	0.425 U	0.55 U	
Silver	0.424	0.58	0.195 U	0.195 U	0.215 U	0.17 U	0.135 U	0.14 U	0.73	
Sodium	--	--	5130 J	5350 J	6030 J	2090	1840	2480	2780	
Thallium	--	--	0.8 U	0.8 U	0.85 U	0.65 U	1.1 L	0.55 U	0.7 U	
Vanadium	--	--	11.9 L	11.1 L	13.7 L	25.7	87.7	18.6	17.3	
Zinc	189	355	334	307	322	174	225	201	269	
Diox/Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	42.4	1083 J	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	337	1763	--	--	--	--	--	--	--	--

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code Location ID Sample ID Sample Date Depth Interval Sample Type	TMDL S S-9/5/2000 9/5/2000 0-0.33 ft N	TMDL S S-4/24/2001 4/24/2001 0-0.33 ft N	EPA SSI SE-04 SE-04_3/28/00_(0-1.5)	EPA SSI SE-05 SE-05_3/28/00_(0-1.66)	EPA SSI SE-05 SE-06_3/28/00_(0-1.66)	EPA SSI SE-14 SE-14_3/30/00_(0-1.16)	EPA SSI SE-17 SE-17_3/30/00_(0-0.5)	EPA SSI SE-18 SE-18_3/30/00_(0-0.66)	EPA SSI SE-19 SE-19_3/30/00_(0-1.5)
1,2,3,4,7,8,9-HxCDF	30.1	180	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	0.63 U	14.3	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	64.9	478	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	2.03	37.6	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	20.6	164	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	0.52 U	26	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	1.94	10.4	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	0.21 U	5.81 U	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	35.8	265	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	4.68	42.7	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	12.8	117	--	--	--	--	--	--	--
2,3,7,8-TCDD	3.96	108	--	--	--	--	--	--	--
2,3,7,8-TCDF	21.3	424	--	--	--	--	--	--	--
OCDD	485	11644	--	--	--	--	--	--	--
OCDF	6813	92390	--	--	--	--	--	--	--
Total HpCDD	109	2789	--	--	--	--	--	--	--
Total HpCDF	490	3550	--	--	--	--	--	--	--
Total HxCDD	24.7	681	--	--	--	--	--	--	--
Total HxCDF	190	3353	--	--	--	--	--	--	--
Total PeCDD	0.886	229	--	--	--	--	--	--	--
Total PeCDF	109	1363	--	--	--	--	--	--	--
Total TCDD	5.02	108	--	--	--	--	--	--	--
Total TCDF	64.6	1400	--	--	--	--	--	--	--
Total TEQ (as reported by Lab)	35.1	435	--	--	--	--	--	--	--
Total D/F TEQ-Bird (U=1/2; max RL)	55.5	783	--	--	--	--	--	--	--
Total D/F TEQ-Fish (U=1/2; max RL)	27.2	312	--	--	--	--	--	--	--
Total D/F TEQ-Mammal (U=1/2; max RL)	28.7	343	--	--	--	--	--	--	--
PCBs (µg/kg)									
Aroclor 1016	--	--	660 U	750 U	690 U	53 U	43 U	49 U	56 U
Aroclor 1221	--	--	1300 U	1500 U	1400 U	110 U	87 U	99 U	110 U
Aroclor 1232	--	--	660 U	750 U	690 U	53 U	43 U	49 U	56 U
Aroclor 1242	--	--	660 U	750 U	690 U	53 U	43 U	49 U	56 U
Aroclor 1248	--	--	5200 J	4500	3800 J	160 J	43 U	3300 J	4600 J
Aroclor 1254	--	--	660 U	750 U	690 U	53 U	43 U	49 U	56 U
Aroclor 1260	--	--	660 U	1800 J	2100 J	53 U	43 U	290 J	250
Mean Aroclor PCB	113	2090	--	--	--	--	--	--	--
Total PCBs (U=1/2; Max RL)	--	--	7500	8550	7980	347.5	87 U	3737.5	5017
Pesticides (µg/kg)									
4,4'-DDD	39 U	2.63 J	15 J	75 U	69 U	5.3 U	2.5 JL	4.9 U	5.6 U
4,4'-DDE	7.24	40 UJ	66 U	75 U	69 U	5.3 U	4.3 U	4.9 U	5.6 U
4,4'-DDT	39 U	5.65	66 U	75 U	69 U	5.3 U	4.3 U	4.9 U	5.6 U
Aldrin	--	--	240 UMJ	210 UM	170 UMJ	6.5 UMJ	2.2 U	260 UMJ	290 UM
alpha-BHC	--	--	34 U	39 U	35 U	2.7 U	2.2 U	2.5 U	2.9 U
alpha-Chlordane	39 U	0.23 J	1.5 JLN	2.4 JL	35 U	2.7 U	2.2 U	2.5 U	2.9 U
beta-BHC	--	--	34 U	39 U	35 U	2.7 U	2.2 U	7.6 JL	6.9 JT

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code	TMDL	TMDL	EPA SSI	EPA SSI	EPA SSI	EPA SSI	EPA SSI	EPA SSI	EPA SSI	EPA SSI
Location ID	S	S	SE-04	SE-05	SE-05	SE-14	SE-17	SE-18	SE-18	SE-19
Sample ID	S-9/5/2000	S-4/24/2001	SE-04_3/28/00_(0-1.5)	SE-05_3/28/00_(0-1.66)	SE-06_3/28/00_(0-1.66)	SE-14_3/30/00_(0-1.16)	SE-17_3/30/00_(0-0.5)	SE-18_3/30/00_(0-0.66)	SE-18_3/30/00_(0-0.66)	SE-19_3/30/00_(0-1.5)
Sample Date	9/5/2000	4/24/2001	3/28/2000	3/28/2000	3/28/2000	3/30/2000	3/30/2000	3/30/2000	3/30/2000	3/30/2000
Depth Interval	0-0.33 ft	0-0.33 ft	0-1.5 ft	0-1.66 ft	0-1.66 ft	0-1.16 ft	0-0.5 ft	0-0.66 ft	0-0.66 ft	0-1.5 ft
Sample Type	N	N	N	N	FD	N	N	N	N	N
delta-BHC	--	--	34 U	39 U	16 JL	2.7 U	2.2 U	2.5 U	2.9 U	
Dieldrin	--	--	66 U	75 U	69 U	5.3 U	4.3 U	4.9 U	5.6 U	
Endosulfan I	--	--	21 JN	3.3 JL	35 U	2.7 U	2.2 U	27 J	9.9 J	
Endosulfan II	--	--	12 J	75 U	69 U	5.3 U	4.3 U	5.3 J	2.9 JL	
Endosulfan Sulfate	--	--	66 U	75 U	69 U	5.3 U	4.3 U	4.9 U	5.6 U	
Endrin	--	--	130 J	75 U	69 U	1.9 JL	4.3 U	48	25 J	
Endrin aldehyde	--	--	66 U	75 U	69 U	5.3 U	4.3 U	4.9 U	5.6 U	
Endrin ketone	--	--	11 J	30	35 J	5.3 U	2 JL	2.3 JL	5.6 U	
gamma-BHC (Lindane)	--	--	10 J	39 U	35 U	2.7 U	0.86 JL	2.5 U	2.9 U	
gamma-Chlordane	39 U	0.516 J	34 U	39 U	35 U	2.7 U	2.2 U	2.5 U	2.9 U	
Heptachlor	--	--	34 U	39 U	35 U	2.7 U	1.4 JL	2.5 U	19 J	
Heptachlor Epoxide	39 U	1.26 J	34 U	39 U	35 U	2.7 U	2.2 U	2.5 U	2.9 U	
Methoxychlor	--	--	290 JL	390 U	350 U	27 U	22 U	25 U	27 JL	
Toxaphene	1667 U	1600 U	1700 U	195 U	35000 U	135 U	110 U	125 U	145 U	
Total DDT (U=1/2; Max RL)	46.2	28.3	81	75 U	69 U	5.3 U	6.8	4.9 U	5.6 U	
Total Chlordane (a&g; U=1/2; Max RL)	39 U	0.74	18.5	21.9	35 U	2.7 U	2.2 U	2.5 U	2.9 U	
SVOCs (µg/kg)										
1,1'-Biphenyl	--	--	1300 JL	970 JL	1100 JL	530 U	860 U	110 JL	11000 U	
1,2,4-Trichlorobenzene	8.6 U	9.8 U	20 U	110 U	100 U	16 U	13 U	74 U	17 U	
1,2-Diphenylhydrazine	392 U	--	--	--	--	--	--	--	--	
2,4,5-Trichlorophenol	--	--	42000 U	38000 U	35000 U	1300 U	2200 U	2400 U	28000 U	
2,4,6-Trichlorophenol	--	--	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 U	
2,4-Dichlorophenol	--	--	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 U	
2,4-Dimethylphenol	--	--	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 U	
2,4-Dinitrophenol	--	--	42000 U	38000 U	35000 U	1300 U	2200 U	2400 U	28000 U	
2,4-Dinitrotoluene	392 U	170	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 U	
2,6-Dinitrotoluene	392 U	807	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 U	
2-Chloronaphthalene	392 U	33.5	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 U	
2-Chlorophenol	--	--	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 U	
2-Methylnaphthalene	75.3	2790	2800 JL	1600 JL	1800 JL	530 U	860 U	390 JL	28000	
2-Methylphenol	--	--	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 U	
2-Nitroaniline	--	--	42000 U	38000 U	35000 U	1300 U	2200 U	2400 U	28000 U	
2-Nitrophenol	--	--	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 U	
3,3'-Dichlorobenzidine	392 U	190	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 UJv	
3-Nitroaniline	--	--	42000 U	38000 U	35000 U	1300 U	2200 U	2400 U	28000 U	
4,6-Dinitro-2-methylphenol	--	--	42000 U	38000 U	35000 U	530 U	2200 U	2400 U	28000 UJv	
4-Bromophenyl-phenylether	392 U	361	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 UJv	
4-Chloro-3-methylphenol	--	--	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 U	
4-Chloroaniline	--	--	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 U	
4-Chlorophenyl-phenylether	392 U	146	16000 U	15000 U	14000 U	1300 U	860 U	970 U	11000 U	
4-Methylphenol	--	--	16000 U	15000 U	14000 U	530 U	290 JL	970 U	11000 U	
4-Nitroaniline	--	--	42000 U	38000 U	35000 U	1300 U	2200 U	2400 U	28000 U	
4-Nitrophenol	--	--	42000 U	38000 U	35000 U	1300 U	2200 U	2400 U	28000 U	
Acenaphthene	230	9830	20000	11000 JL	13000 JL	57 JL	110 JL	3900	6400 JL	
Acenaphthylene	471	12500	12000 JL	7700 JL	9400 JL	530 U	860 U	520 JL	11000 U	

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code	TMDL	TMDL	EPA SSI	EPA SSI	EPA SSI	EPA SSI	EPA SSI	EPA SSI	EPA SSI	EPA SSI
Location ID	S	S	SE-04	SE-05	SE-05	SE-14	SE-17	SE-18	SE-18	SE-19
Sample ID	S-9/5/2000	S-4/24/2001	SE-04_3/28/00_(0-1.5)	SE-05_3/28/00_(0-1.66)	SE-06_3/28/00_(0-1.66)	SE-14_3/30/00_(0-1.16)	SE-17_3/30/00_(0-0.5)	SE-18_3/30/00_(0-0.66)	SE-18_3/30/00_(0-0.66)	SE-19_3/30/00_(0-1.5)
Sample Date	9/5/2000	4/24/2001	3/28/2000	3/28/2000	3/28/2000	3/30/2000	3/30/2000	3/30/2000	3/30/2000	3/30/2000
Depth Interval	0-0.33 ft	0-0.33 ft	0-1.5 ft	0-1.66 ft	0-1.66 ft	0-1.16 ft	0-0.5 ft	0-0.66 ft	0-0.66 ft	0-1.5 ft
Sample Type	N	N	N	N	FD	N	N	N	N	N
Acetophenone	--	--	16000 U	15000 U	14000 U	98 JL	57 JL	970 U	11000 U	
Anthracene	184	6520 J	4500 J	2800 JL	3500 JL	530 U	260 JL	1100	1500 JL	
Atrazine	--	--	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 UJv	
Azobenzene	392 U	400 U	--	--	--	--	--	--	--	--
Benzaldehyde	--	--	16000 U	15000 U	14000 U	43 JI	860 U	970 U	11000 U	
Benzidine	392 U	444	--	--	--	--	--	--	--	--
Benzo(a)anthracene	392 U	2440	1500 JL	1200 JL	1600 JL	37 JL	890	500 JL	790 JL	
Benzo(a)pyrene	392 U	3510	3900 JL	2700 JL	3300 JL	530 U	960	570 JL	11000 UJv	
Benzo(b)fluoranthene	293	1970	1400 JL	1000 JL	1300 JL	47 JL	1100	440 JL	11000 UJv	
Benzo(g,h,i)perylene	450	9250	11000 JL	7100 JL	8500 JL	530 U	580 JL	340 JL	11000 UJv	
Benzo(k)fluoranthene	296	1710	1100 JL	830 JL	1100 JL	33 JL	940	470 JL	920 JL	
Total LPAHs (U=1/2; Max RL)	2339	52210	74800	42800	51600	1167	3030	13005	26300	
bis(2-Chloroethoxy)methane	392 U	55.6	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 U	
bis(2-Chloroethyl)ether	392 U	0.798	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 U	
bis(2-Chloroisopropyl)ether	392 U	762	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 U	
bis(2-Ethylhexyl)phthalate	392 U	14400	16000 U	15000 U	14000 U	380 JBL	860 U	800 JBL	11000 U	
Butylbenzylphthalate	79.8	485	16000 U	15000 U	14000 U	530 U	170 JL	970 U	11000 UJv	
Toxaphene	1667 U	1600 U	1700 U	195 U	35000 U	135 U	110 U	125 U	145 U	
Caprolactam	--	--	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 U	
Carbazole	--	--	16000 U	15000 U	14000 U	530 U	200 JL	70 JL	11000 UJv	
Chrysene	423	3440	2200 JL	1700 JL	2300 JL	60 JL	1200	580 JL	1100 JL	
Dibenzo(a,h)anthracene	41.1	400 U	16000 U	15000 U	14000 U	530 U	230 JL	970 U	11000 UJv	
Dibenzofuran	--	--	16000 U	15000 U	14000 U	530 U	81 JL	57 JL	3300 JL	
Diethylphthalate	660 U	215	16000 U	15000 U	14000 U	43 JI	860 U	250 JL	11000 U	
Dimethylphthalate	392 U	5.45	--	--	--	--	--	--	--	--
Di-n-butylphthalate	392 U	151 J	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 UJv	
Di-n-octylphthalate	--	19.9	22.2 J	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 UJv
Fluoranthene	1070	269	30000	18000	22000	87 JL	2000	1300	1600 JL	
Fluorene	260	4970	6300 JL	4100 JL	4400 JL	530 U	100 JL	1800	3000 JL	
Hexachlorobenzene	3400	6570 J	3900 JL	4800 JL	4800 JL	530 U	860 U	970 U	11000 UJv	
Hexachlorobutadiene	5990	14800 J	19000	19000	21000	530 U	860 U	970 U	11000 U	
Hexachlorocyclopentadiene	--	--	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 U	
Hexachloroethane	--	380 J	1060	2600 JL	2200 JL	2600 JL	530 U	860 U	970 U	11000 U
Indeno(1,2,3-cd)pyrene	--	--	3100 JL	2000 JL	2500 JL	530 U	600 JL	280 JL	11000 UJv	
Isophorone	--	--	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 U	
Naphthalene	174	3690	5000 J	2200 JL	2300 JL	530 U	860 U	970 U	11000 U	
Nitrobenzene	--	--	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 U	
n-Nitroso-di-n-propylamine	--	--	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 U	
n-Nitrosodiphenylamine	--	--	16000 U	15000 U	14000 U	530 U	860 U	970 U	11000 UJv	
Pentachlorophenol	--	--	42000 U	38000 U	35000 U	1300 U	2200 U	2400 U	28000 UJv	
Phenanthrene	1020	14700 J	27000	15000	19000	50 JL	1700	5200	4400 JL	
Phenol	--	--	16000 U	15000 U	14000 U	530 U	67 JL	970 U	11000 U	
Pyrene	1900	41600 J	70000	42000	53000	58 JL	1600	1300	2100 JL	
Total HPAHs (U=1/2; Max RL)	4865	64389	132200	84030	102600	1382	10100	6265	34010	
Total PAHs (U=1/2; Max RL)	7204	116599	207000	126830	154200	2549	13130	19270	60310	

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code Location ID Sample ID Sample Date Depth Interval Sample Type	TMDL S S-9/5/2000 9/5/2000 0-0.33 ft N	TMDL S S-4/24/2001 4/24/2001 0-0.33 ft N	EPA SSI SE-04 SE-04_3/28/00_(0-1.5)	EPA SSI SE-05 SE-05_3/28/00_(0-1.66)	EPA SSI SE-05 SE-06_3/28/00_(0-1.66)	EPA SSI SE-05 SE-14_3/28/00_(0-1.66)	EPA SSI SE-14 SE-14_3/30/00_(0-1.16)	EPA SSI SE-14 SE-17_3/30/00_(0-0.5)	EPA SSI SE-17 SE-18_3/30/00_(0-0.66)	EPA SSI SE-18 SE-18_3/30/00_(0-0.66)	EPA SSI SE-19 SE-19_3/30/00_(0-1.5)
VOCs (µg/kg)											
1,1,1,2-Tetrachloroethane	8.6 U	9.8 U	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	8.6 U	9.8 U	20 U	110 U	100 U	16 U	13 U	74 U	17 U		
1,1,2,2-Tetrachloroethane	8.6 U	9.8 U	20 U	110 U	100 U	16 U	13 U	74 U	17 U		
1,1,2-Trichloroethane	8.6 U	9.8 U	20 U	110 U	100 U	16 U	13 U	74 U	17 U		
1,1-Dichloroethane	8.6 U	9.8 U	2 JL	110 U	100 U	16 U	13 U	74 U	17 U		
1,1-Dichloroethene	8.6 U	9.8 U	20 U	110 U	100 U	16 U	13 U	74 U	17 U		
1,1-Dichloropropene	8.6 U	9.8 U	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	8.6 U	9.8 U	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	8.6 U	9.8 U	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	8.6 U	9.8 U	20 U	110 U	100 U	16 U	13 U	74 U	17 U		
1,2-Dibromoethane	--	--	20 U	110 U	100 U	16 U	13 U	74 U	17 U		
1,2-Dichlorobenzene	392 U	9.8 U	20 U	110 U	100 U	16 U	13 U	74 U	17 U		
1,2-Dichloroethane	8.6 U	9.8 U	20 U	110 U	100 U	16 U	13 U	74 U	17 U		
1,2-Dichloropropane	8.6 U	9.8 U	20 U	110 U	100 U	16 U	13 U	74 U	17 U		
1,3,5-Trimethylbenzene	8.6 U	9.8 U	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	861	17500	1900	1300	1700	3 JL	13 U	74 U	3 JL		
1,3-Dichloropropane	8.6 U	9.8 U	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	286	4980	260	320 Jv	820 J^	16 U	13 U	74 U	17 U		
2,2-Dichloropropane	8.6 U	9.8 U	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	172 U	196 U	11 JL	23 JL	13 JL	7 JL	13 U	74 U	17 U		
2-Chloroethylvinylether	8.6 UJ	9.8 J	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	8.6 U	9.8 U	--	--	--	--	--	--	--	--	--
2-Hexanone	86.1 U	98 U	20 U	110 U	100 U	16 U	13 U	74 U	17 U		
4-Isopropyltoluene	8.6 U	9.8 U	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (MIBK)	86.1 U	98 U	20 U	110 U	100 U	16 U	13 U	74 U	17 U		
Acetone	172 U	196 U	91 UM	360 UM	100 UMJ	34 UMJ	13 U	85 UMJ	82 UMJ		
Acrolein	86.1 UJ	98 UJ	--	--	--	--	--	--	--	--	--
Acrylonitrile	86.1 U	98 U	--	--	--	--	--	--	--	--	--
Benzene	8.6 U	9.8 U	170	68 JLv	290 J^	16 U	4 JL	55 JL	7 JL		
Bromobenzene	8.6 U	9.8 U	--	--	--	--	--	--	--	--	--
Bromochloromethane	8.6 U	9.8 U	--	--	--	--	--	--	--	--	--
Bromodichloromethane	8.6 U	9.8 U	20 U	110 U	100 U	16 U	13 U	74 U	17 U		
Bromoform	8.6 U	9.8 U	20 U	110 U	100 U	16 U	13 U	74 U	17 U		
Bromomethane	17.2 U	20 UJ	20 U	110 U	100 U	16 U	13 U	74 U	17 U		
Carbon disulfide	8.6 U	9.8 U	59 B	250 UM	180 UMJ	32 UMJ	15 UMJ	74 J	58 UMJ		
Carbon tetrachloride	8.6 U	9.8 UJ	20 U	110 U	100 U	16 U	13 U	74 U	17 U		
Chlorobenzene	15	23.7	220	200 Jv	670 J^	16 U	1 JL	74 U	17 U		
Chloroethane	17.2 U	19.6 UJ	20 U	110 U	100 U	16 U	13 U	74 U	17 U		
Chloroform	8.6 U	9.8 U	20 U	110 U	100 U	16 U	1 JL	74 U	17 U		
Chloromethane	17.2 U	19.6 UJ	20 U	110 U	100 U	16 U	13 U	74 U	17 U		
cis-1,2-Dichloroethene	8.6 U	9.8 U	20 U	110 U	100 U	16 U	13 U	74 U	17 U		
cis-1,3-Dichloropropene	8.6 U	9.8 U	20 U	110 U	100 U	16 U	13 U	74 U	17 U		
Cyclohexane	--	--	20 U	110 U	100 U	16 U	13 U	74 U	4 JL		
Dibromochloromethane	8.6 U	9.8 U	20 U	110 U	100 U	16 U	13 U	74 U	17 U		

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code Location ID Sample ID Sample Date Depth Interval Sample Type	TMDL S S-9/5/2000 9/5/2000 0-0.33 ft N	TMDL S S-4/24/2001 4/24/2001 0-0.33 ft N	EPA SSI SE-04 SE-04_3/28/00_(0-1.5)	EPA SSI SE-05 SE-05_3/28/00_(0-1.66)	EPA SSI SE-05 SE-06_3/28/00_(0-1.66)	EPA SSI SE-14 SE-14_3/30/00_(0-1.16)	EPA SSI SE-17 SE-17_3/30/00_(0-0.5)	EPA SSI SE-18 SE-18_3/30/00_(0-0.66)	EPA SSI SE-18 3/30/2000 0-0.66 ft N	EPA SSI SE-19 SE-19_3/30/00_(0-1.5) 3/30/2000 0-1.5 ft N
Dibromomethane	8.6 U	9.8 U	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	8.6 U	9.8 U	20 U	110 U	100 U	16 U	13 U	74 U	17 U	
Dichloromethane	17.2 U	9.8 U	20 U	110 U	230 UM	16 U	13 U	180 UMJ	25 UMJ	
Ethylbenzene	8.6 U	9.8 U	52	30 JLv	150 J^	16 U	13 U	10 JL	17 U	
Isopropylbenzene	17	9.8 U	290	180 Jv	680 J^	19	6 JL	2200	100	
Methyl acetate	--	--	20 U	110 U	100 U	16 U	13 U	74 U	17 U	
Methyl cyclohexane	--	--	110	98 JLv	340 J^	16 U	13 U	80	6 JL	
Methyltert-butylether	--	--	20 U	110 U	100 U	16 U	13 U	74 U	17 U	
n-Butylbenzene	8.6 U	9.8 U	--	--	--	--	--	--	--	
n-Hexane	17.2 U	39.2 U	--	--	--	--	--	--	--	
n-Propylbenzene	8.6 U	9.8 U	--	--	--	--	--	--	--	
sec-Butylbenzene	8.6 U	9.8 U	--	--	--	--	--	--	--	
Styrene	8.6 U	9.8 U	10 JL	110 U	23 JL	16 U	13 U	74 U	17 U	
tert-Butylbenzene	8.6 U	9.8 U	--	--	--	--	--	--	--	
Tetrachloroethene	8.6 U	9.8 U	20 U	110 U	100 U	16 U	13 U	74 U	17 U	
Toluene	8.6 U	9.8 U	75	21 JLv	150 J^	16 U	4 JL	74 U	17 U	
trans-1,2-Dichloroethene	8.6 U	9.8 U	20 U	110 U	100 U	16 U	13 U	74 U	17 U	
trans-1,3-Dichloropropene	8.6 U	9.8 U	20 U	110 U	100 U	16 U	13 U	74 U	17 U	
Trichloroethane	--	--	20 U	110 U	100 U	16 U	1 J	74 U	2 JL	
Trichloroethene	8.6 U	9.8 UJ	--	--	--	--	--	--	--	
Trichlorofluoromethane	8.6 U	9.8 U	2 JL	20 JL	100 U	16 U	13 U	74 U	17 U	
Trichlorotrifluoroethane	--	--	20 U	110 U	100 U	16 U	13 U	74 U	17 U	
Vinyl Acetate	8.6 U	9.8 U	--	--	--	--	--	--	--	
Vinyl chloride	3.4 U	3.9 UJ	20 U	110 U	100 U	16 U	13 U	74 U	17 U	
Total xylene	8.6 U	9.8 U	310	110 J	780 J^	5 JL	2 J	44 JL	48	
4-Chlorotoluene	8.6 U	9.8 U	--	--	--	--	--	--	--	

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code	EPA SSI	EPA SSI	EPA SSI	EPA SSI	EPA SSI	EPA SSI	EPA SSI	EPA SSI	EPA SSI
Location ID	SE-20	SE-20	SE-22	SE-23	SE-24	SE-25	SE-26	SE-26	SE-27
Sample ID	SE-20_3/29/00_(0-1.66)	SE-21_3/29/00_(0-1.66)	SE-22_3/30/00_(0-1.5)	SE-23_3/30/00_(0-1.66)	SE-24_3/30/00_(0-1.66)	SE-25_3/30/00_(0-1.83)	SE-26_3/28/00_(0-1.15)	SE-26_3/28/00_(0-1.15)	SE-27_3/30/00_(0-1.25)
Sample Date	3/29/2000	3/29/2000	3/30/2000	3/30/2000	3/30/2000	3/30/2000	3/28/2000	3/28/2000	3/30/2000
Depth Interval	0-1.66 ft	0-1.66 ft	0-1.5 ft	0-1.66 ft	0-1.66 ft	0-1.83 ft	0-1.15 ft	0-1.15 ft	0-1.25 ft
Sample Type	N	FD	N	N	N	N	N	N	N
Conventionals									
Acid volatile sulfides ($\mu\text{mol/g}$)	--	--	--	--	--	--	--	--	--
Ammonia (mg/kg)	--	--	--	--	--	--	--	--	--
Conductivity ($\mu\text{mhos/cm}$)	--	--	--	--	--	--	--	--	--
Cyanide (mg/kg)	0.08 U	0.075 U	1.01 JL	0.71 JL	0.4 JL	0.34 JL	0.04 U	0.035 UJ	
Dissolved Oxygen (mg/L)	--	--	--	--	--	--	--	--	--
Moisture (%)	--	--	--	--	--	--	--	--	--
pH	--	--	--	--	--	--	--	--	--
Salinity (ppm)	--	--	--	--	--	--	--	--	--
Temperature (deg C)	--	--	--	--	--	--	--	--	--
Total organic carbon (%)	--	--	--	--	--	--	--	--	--
Total solids (%)	--	--	--	--	--	--	--	--	--
Grain Size (%)									
Gravel	--	--	--	--	--	--	--	--	--
Sand	--	--	--	--	--	--	--	--	--
Silt	--	--	--	--	--	--	--	--	--
Clay	--	--	--	--	--	--	--	--	--
Metals (mg/kg)									
Aluminum	10000	8140	5130	8490	9550	8670	4400	3900	
Antimony	0.7 U	0.6 U	0.435 U	0.89 UJLC	0.44 U	0.65 UJLC	0.92 L	0.265 U	
Arsenic	8.9	7.7	4.2 L	3.1 L	5.2	5.8	4.3	2 L	
Barium	338	279	403	125	331	151	176	53.6	
Beryllium	0.345 U	0.305 U	0.53 L	0.74 L	0.82 L	0.76 L	0.37 L	0.44 L	
Cadmium	1.7	1.4 L	0.76 L	1.8	1.4 L	1 L	0.89 L	0.135 U	
Calcium	34600	31200	232000	16200	78300	19200	26000	4770	
Chromium	497	394	188	77.5	229	76.5	84.4	13.3	
Cobalt	10.6 L	10.1 L	14.2 L	4.9 L	14 L	6 L	5 L	3.1 L	
Copper	122	99.3	82.2	39.2	104	89.3	47.2	10.7	
Iron	11500	9350	6240	11000	11100	8940	6220	4940	
Lead	101	84.9	151	77.7	139	30.2	49.8	13.6	
Magnesium	4560	3680	6940	1380 L	4250	1940	2600	1590	
Manganese	155	124	276	179	221	103	111	72.6	
Mercury	28.8 J	14 J	17.8	6.5	37.1	0.59	5.2 J	0.53	
Mercury (bias corrected)	--	--	--	--	--	--	--	--	
Nickel	47.4	41.1	51	35	70	20.1	20.5	8.8 L	
Potassium	1630 L	1230 L	1070 L	800 L	1530 L	901 L	911 L	985 L	
Selenium	1.05 U	0.9 U	0.65 U	0 U	0.65 U	1.2 JL	0.5 U	0.4 U	
Silver	1.7	1.5 L	62.8	0 U	1	0.165 U	0.41 L	0.135 U	
Sodium	11900 J	9590 J	11400	2160	12500	2430	3980 J	2610	
Thallium	1.4 U	1.2 U	0.85 U	0 U	0.9 U	0.65 U	0.7 U	0.55 U	
Vanadium	23.1	18 L	10.2	24.7	18 L	17.1	11.9 L	10.1 L	
Zinc	818	673	337	483	450	227	238	47.6	
Diox/Furans (ng/kg)									
1,2,3,4,6,7,8-HpCDD	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	--	--	--	--	--	--	--	--	--

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code Location ID Sample ID Sample Date Depth Interval Sample Type	EPA SSI SE-20 SE-20_3/29/00_(0-1.66) 3/29/2000 0-1.66 ft N	EPA SSI SE-20 SE-21_3/29/00_(0-1.66) 3/29/2000 0-1.66 ft FD	EPA SSI SE-22 SE-22_3/30/00_(0-1.5) 3/30/2000 0-1.5 ft N	EPA SSI SE-23 SE-23_3/30/00_(0-1.66) 3/30/2000 0-1.66 ft N	EPA SSI SE-24 SE-24_3/30/00_(0-1.66) 3/30/2000 0-1.66 ft N	EPA SSI SE-24 SE-24_3/30/00_(0-1.66) 3/30/2000 0-1.66 ft N	EPA SSI SE-25 SE-25_3/30/00_(0-1.83) 3/30/2000 0-1.83 ft N	EPA SSI SE-26 SE-26_3/28/00_(0-1.15) 3/28/2000 0-1.15 ft N	EPA SSI SE-27 SE-27_3/30/00_(0-1.25) 3/30/2000 0-1.25 ft N
1,2,3,4,7,8,9-HxCDF	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	--	--	--	--	--	--	--	--	--
OCDD	--	--	--	--	--	--	--	--	--
OCDF	--	--	--	--	--	--	--	--	--
Total HpCDD	--	--	--	--	--	--	--	--	--
Total HpCDF	--	--	--	--	--	--	--	--	--
Total HxCDD	--	--	--	--	--	--	--	--	--
Total HxCDF	--	--	--	--	--	--	--	--	--
Total PeCDD	--	--	--	--	--	--	--	--	--
Total PeCDF	--	--	--	--	--	--	--	--	--
Total TCDD	--	--	--	--	--	--	--	--	--
Total TCDF	--	--	--	--	--	--	--	--	--
Total TEQ (as reported by Lab)	--	--	--	--	--	--	--	--	--
Total D/F TEQ-Bird (U=1/2; max RL)	--	--	--	--	--	--	--	--	--
Total D/F TEQ-Fish (U=1/2; max RL)	--	--	--	--	--	--	--	--	--
Total D/F TEQ-Mammal (U=1/2; max RL)	--	--	--	--	--	--	--	--	--
PCBs (µg/kg)									
Aroclor 1016	130 U	110 U	82 U	6000 U	70 U	52 U	58 U	43 U	
Aroclor 1221	260 U	220 U	170 U	12000 U	140 U	50 U	120 U	87 U	
Aroclor 1232	130 U	110 U	82 U	6000 U	70 U	52 U	58 U	43 U	
Aroclor 1242	130 U	110 U	82 U	6000 U	70 U	52 U	58 U	43 U	
Aroclor 1248	4300	3400	14000	300000	19000	1400	58 U	570 J	
Aroclor 1254	130 U	110 U	82 U	6000 U	70 U	52 U	58 U	43 U	
Aroclor 1260	1600 J	1100	3400 J	6000 U	70 U	52 U	58 U	43 U	
Mean Aroclor PCB	--	--	--	--	--	--	--	--	
Total PCBs (U=1/2; Max RL)	6290	4830	17649	321000	19245	1555	120 U	721	
Pesticides (µg/kg)									
4,4'-DDD	13 U	11 U	8.2 U	600 U	62 JT	5.2 U	5.8 U	4.3 U	
4,4'-DDE	13 U	11 U	8.2 U	600 U	7 U	5.2 U	5.8 U	4 JL	
4,4'-DDT	13 U	11 U	8.2 U	600 U	7 U	5.2 U	5.8 U	4.3 U	
Aldrin	230	170	390 UM	8200	240 UMJ	110 UM	3 U	17 UMJ	
alpha-BHC	6.5 U	5.7 U	4.2 U	310 U	3.6 U	2.7 U	3 U	2.2 U	
alpha-Chlordane	6.5 U	5.7 U	1.2 JLN	310 U	5.5 J	2.7 U	3 U	2.2 U	
beta-BHC	6.5 U	5.7 U	4.2 U	310 U	3.6 U	2.7 U	3 U	2.2 U	

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code Location ID Sample ID Sample Date Depth Interval Sample Type	EPA SSI SE-20 SE-20_3/29/00_(0-1.66) 3/29/2000 0-1.66 ft N	EPA SSI SE-20 SE-21_3/29/00_(0-1.66) 3/29/2000 0-1.66 ft FD	EPA SSI SE-22 SE-22_3/30/00_(0-1.5) 3/30/2000 0-1.5 ft N	EPA SSI SE-23 SE-23_3/30/00_(0-1.66) 3/30/2000 0-1.66 ft N	EPA SSI SE-24 SE-24_3/30/00_(0-1.66) 3/30/2000 0-1.66 ft N	EPA SSI SE-24 SE-24_3/30/00_(0-1.66) 3/30/2000 0-1.66 ft N	EPA SSI SE-25 SE-25_3/30/00_(0-1.83) 3/30/2000 0-1.83 ft N	EPA SSI SE-26 SE-26_3/28/00_(0-1.15) 3/28/2000 0-1.15 ft N	EPA SSI SE-27 SE-27_3/30/00_(0-1.25) 3/30/2000 0-1.25 ft N
delta-BHC	6.5 U	5.7 U	4.2 U	310 U	3.6 U	2.7 U	3 U	2.2 U	
Dieldrin	13 U	11 U	4.4 U	600 U	7 U	5.2 U	5.8 U	4.3 U	
Endosulfan I	7.8 J	14 J	70 JN	270 JL	3.6 U	0.99 JL	3 U	2.2 U	
Endosulfan II	12 JL	11 U	62000 U	150 JL	7 U	5.2 U	5.8 U	4.3 U	
Endosulfan Sulfate	13 U	11 U	4.1 U	600 U	7 U	5.2 U	5.8 U	4.3 U	
Endrin	72	66	220	1000 J	7 U	12	5.8 U	4.3 U	
Endrin aldehyde	13 U	11 U	8.2 U	600 U	7 U	5.2 U	5.8 U	4.3 U	
Endrin ketone	13 U	12 T	8.2 J	100 JL	24 JT	2.5 JL	4.1 JL	4.3 U	
gamma-BHC (Lindane)	6.5 U	5.7 U	4.2 U	310 U	3.6 U	2.7 U	3 U	2.2 U	
gamma-Chlordane	6.5 U	5.7 U	4.2 U	310 U	3.6 U	2.7 U	3 U	2.2 U	
Heptachlor	6.5 U	5.7 U	4.2 U	1100 J	3.6 U	4.9 J	3 U	2.2 U	
Heptachlor Epoxide	6.5 U	5.7 U	4.2 U	310 U	3.6 U	2.7 U	3 U	2.2 U	
Methoxychlor	65 U	57 U	9.5 JL	50 JL	18 JL	27 U	30 U	22 U	
Toxaphene	325 U	285 U	210 U	15500 U	180 U	135 U	150 U	110 U	
Total DDT (U=1/2; Max RL)	13 U	11 U	8.2 U	600 U	69	5.2 U	5.8 U	8.3	
Total Chlordane (a&g; U=1/2; Max RL)	6.5 U	5.7 U	3.3	310 U	7.3	2.7 U	3 U	2.2 U	
SVOCs (µg/kg)									
1,1'-Biphenyl	5100 U	4400 U	12000 JL	18000 U	4700 JL	520 U	12000 U	48 JL	
1,2,4-Trichlorobenzene	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U	
1,2-Diphenylhydrazine	--	--	--	--	--	--	--	--	
2,4,5-Trichlorophenol	13000 U	11000 U	62000 U	45000 U	53000 U	1300 U	29000 U	1100 U	
2,4,6-Trichlorophenol	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U	
2,4-Dichlorophenol	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U	
2,4-Dimethylphenol	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U	
2,4-Dinitrophenol	13000 U	11000 U	62000 U	45000 U	53000 U	650 U	29000 U	1100 U	
2,4-Dinitrotoluene	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U	
2,6-Dinitrotoluene	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U	
2-Chloronaphthalene	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U	
2-Chlorophenol	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U	
2-Methylnaphthalene	880 JL	450 JL	20000 JL	18000 U	4000 JL	100 JL	12000 U	430 U	
2-Methylphenol	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U	
2-Nitroaniline	13000 U	11000 U	62000 U	45000 U	53000 U	1300 U	29000 U	1100 U	
2-Nitrophenol	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U	
3,3'-Dichlorobenzidine	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U	
3-Nitroaniline	13000 U	11000 U	62000 U	45000 U	53000 U	1300 U	29000 U	1100 U	
4,6-Dinitro-2-methylphenol	13000 U	11000 U	62000 U	45000 U	53000 U	1300 U	29000 U	1100 U	
4-Bromophenyl-phenylether	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U	
4-Chloro-3-methylphenol	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U	
4-Chloroaniline	460 JL	220 JL	25000 U	18000 U	21000 U	520 U	12000 U	430 U	
4-Chlorophenyl-phenylether	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U	
4-Methylphenol	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U	
4-Nitroaniline	13000 U	11000 U	62000 U	45000 U	53000 U	1300 U	29000 U	1100 U	
4-Nitrophenol	13000 U	11000 U	62000 U	2600 JL	53000 U	1300 U	29000 U	1100 U	
Acenaphthene	1900 JL	540 JL	11000 JL	18000 U	2900 JL	1000	920 JL	67 JL	
Acenaphthylene	680 JL	650 JL	10000 JL	18000 U	21000 J	100 JL	1800 JL	120 JL	

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code Location ID Sample ID Sample Date Depth Interval Sample Type	EPA SSI SE-20 SE-20_3/29/00_(0-1.66)	EPA SSI SE-20 SE-21_3/29/00_(0-1.66)	EPA SSI SE-22 SE-22_3/30/00_(0-1.5)	EPA SSI SE-23 SE-23_3/30/00_(0-1.66)	EPA SSI SE-24 SE-24_3/30/00_(0-1.66)	EPA SSI SE-25 SE-25_3/30/00_(0-1.83)	EPA SSI SE-26 SE-26_3/28/00_(0-1.15)	EPA SSI SE-27 SE-27_3/30/00_(0-1.25)
N	FD	N	N	N	N	N	N	N
Acetophenone	290 JL	4400 U	25000 U	18000 U	21000 U	39 JL	12000 U	430 U
Anthracene	1100 JL	1000 JL	9800 JL	18000 U	5400 JL	180 JL	12000 U	34 JL
Atrazine	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U
Azobenzene	--	--	--	--	--	--	--	--
Benzaldehyde	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U
Benzidine	--	--	--	--	--	--	--	--
Benzo(a)anthracene	1000 JL	850 JL	2800 JL	18000 U	1200 JL	180 JL	12000 U	46 JL
Benzo(a)pyrene	1000 JL	820 JL	1600 JL	18000 U	4400 JL	140 JL	600 JL	140 JL
Benzo(b)fluoranthene	750 JL	720 JL	25000 U	18000 U	1500 JL	240 JL	12000 U	79 JL
Benzo(g,h,i)perylene	700 JL	660 JL	25000 U	18000 U	14000 JL	100 JL	1100 JL	370 JL
Benzo(k)fluoranthene	830 JL	590 JL	25000 U	18000 U	1100 JL	180 JL	12000 U	69 JL
Total LPAHs (U=1/2; Max RL)	9640	8790	113800	18000 U	86800	2144	18120	519
bis(2-Chloroethoxy)methane	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U
bis(2-Chloroethyl)ether	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U
bis(2-Chloroisopropyl)ether	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U
bis(2-Ethylhexyl)phthalate	6400 B	5800	1700 JL	3000 JL	3400 JL	770	12000 U	430 U
Butylbenzylphthalate	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U
Toxaphene	325 U	285 U	210 U	15500 U	180 U	135 U	150 U	110 U
Caprolactam	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U
Carbazole	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U
Chrysene	1500 JL	1300 JL	3200 JL	18000 U	1900 JL	290 JL	700 JL	99 JL
Dibenzo(a,h)anthracene	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 UJv
Dibenzofuran	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U
Diethylphthalate	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U
Dimethylphthalate	--	--	--	--	--	--	--	--
Di-n-butylphthalate	330 JL	310 JL	25000 U	18000 U	21000 U	520 U	12000 U	430 U
Di-n-octylphthalate	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 UJv
Fluoranthene	2600 JL	2000 JL	7800 JL	18000 U	40000 J	1100	3200 JL	350 JL
Fluorene	1500 JL	1000 JL	21000 JL	18000 U	8700 JL	200 JL	800 JL	38 JL
Hexachlorobenzene	270 JL	300 JL	25000 U	18000 U	2200 JL	520 U	8500 JL	2500 J
Hexachlorobutadiene	430 JL	290 L	25000 U	18000 U	7700 JL	35 JL	30000	1300
Hexachlorocyclopentadiene	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U
Hexachloroethane	5100 U	4400 U	25000 U	18000 U	1800 JL	520 U	7100 JL	270 JL
Indeno(1,2,3-cd)pyrene	460 JL	510 JL	25000 U	18000 U	3700 JL	86 JL	12000 U	110 JL
Isophorone	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U
Naphthalene	260 JL	4400 U	17000 JL	18000 U	7800 JL	64 JL	12000 U	40 JL
Nitrobenzene	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U
n-Nitroso-di-n-propylamine	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U
n-Nitrosodiphenylamine	470 JL	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U
Pentachlorophenol	13000 U	11000 U	62000 U	3100 JL	53000 U	1300 U	29000 U	1100 U
Phenanthrene	4200 JL	3400 JL	45000 J	18000 U	41000 J	600	2600 JL	220 JL
Phenol	5100 U	4400 U	25000 U	18000 U	21000 U	520 U	12000 U	430 U
Pyrene	2900 JL	3500 JL	17000 JL	980 JL	98000 J	440 JL	6100 JL	830
Total HPAHs (U=1/2; Max RL)	14290	13150	94900	81980	176300	3016	41700	2308
Total PAHs (U=1/2; Max RL)	23930	21940	208700	135980	263100	5160	59820	2827

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code	EPA SSI	EPA SSI	EPA SSI	EPA SSI	EPA SSI	EPA SSI	EPA SSI	EPA SSI	EPA SSI
Location ID	SE-20	SE-20	SE-22	SE-23	SE-24	SE-25	SE-26	SE-26	SE-27
Sample ID	SE-20_3/29/00_(0-1.66)	SE-21_3/29/00_(0-1.66)	SE-22_3/30/00_(0-1.5)	SE-23_3/30/00_(0-1.66)	SE-24_3/30/00_(0-1.66)	SE-25_3/30/00_(0-1.83)	SE-26_3/28/00_(0-1.15)	SE-26_3/28/00_(0-1.15)	SE-27_3/30/00_(0-1.25)
Sample Date	3/29/2000	3/29/2000	3/30/2000	3/30/2000	3/30/2000	3/30/2000	3/28/2000	3/28/2000	3/30/2000
Depth Interval	0-1.66 ft	0-1.66 ft	0-1.5 ft	0-1.66 ft	0-1.66 ft	0-1.83 ft	0-1.15 ft	0-1.15 ft	0-1.25 ft
Sample Type	N	FD	N	N	N	N	N	N	N
VOCs (µg/kg)									
1,1,1,2-Tetrachloroethane	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U	
1,1,2,2-Tetrachloroethane	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U	
1,1,2-Trichloroethane	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U	
1,1-Dichloroethane	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U	
1,1-Dichloroethene	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U	
1,1-Dichloropropene	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U	
1,2-Dibromoethane	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U	
1,2-Dichlorobenzene	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U	
1,2-Dichloroethane	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U	
1,2-Dichloropropane	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U	
1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	320	200	1300	29	33000	5 JL	500	7 J	
1,3-Dichloropropane	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	85	55 JL	530	5 JL	3700	2 JL	470	2 J	
2,2-Dichloropropane	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	32 JL	45 JL	110 U	18 U	1100 U	11 JL	22 JL	13 U	
2-Chloroethylvinylether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	--	--	--	--	--	--	--	--	--
2-Hexanone	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U	
4-Isopropyltoluene	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (MIBK)	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U	
Acetone	250 UM	520 UMJ	110 U	50 UMJ	1100 U	55 UMJ	280 UMJ	13 U	
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	--	--	--	--	--	--	--	--	--
Benzene	360 J^	90 JLv	450	3 JL	380 JL	2 JL	25 JL	13 U	
Bromobenzene	--	--	--	--	--	--	--	--	--
Bromochloromethane	--	--	--	--	--	--	--	--	--
Bromodichloromethane	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U	
Bromoform	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U	
Bromomethane	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U	
Carbon disulfide	420	330 UM	310 J	54 UMJ	1100 U	63 JB	220 B	13 U	
Carbon tetrachloride	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U	
Chlorobenzene	49	24 JL	72 JL	16 JL	2200	16 U	1700	13 U	
Chloroethane	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U	
Chloroform	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U	
Chloromethane	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U	
cis-1,2-Dichloroethene	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U	
cis-1,3-Dichloropropene	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U	
Cyclohexane	390 J^	160 UJv	110 U	18 U	1100 U	2 JL	88 U	13 U	
Dibromochloromethane	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U	

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code	EPA SSI SE-20	EPA SSI SE-20	EPA SSI SE-22	EPA SSI SE-23	EPA SSI SE-24	EPA SSI SE-25	EPA SSI SE-26	EPA SSI SE-27
Location ID	SE-20_3/29/00_(0-1.66)	SE-21_3/29/00_(0-1.66)	SE-22_3/30/00_(0-1.5)	SE-23_3/30/00_(0-1.66)	SE-24_3/30/00_(0-1.66)	SE-25_3/30/00_(0-1.83)	SE-26_3/28/00_(0-1.15)	SE-27_3/30/00_(0-1.25)
Sample ID	3/29/2000	3/29/2000	3/30/2000	3/30/2000	3/30/2000	3/30/2000	3/28/2000	3/30/2000
Sample Date	0-1.66 ft	0-1.66 ft	0-1.5 ft	0-1.66 ft	0-1.66 ft	0-1.83 ft	0-1.15 ft	0-1.25 ft
Depth Interval	N	FD	N	N	N	N	N	N
Sample Type								
Dibromomethane	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U
Dichloromethane	60 UMJ	160 U	280 UMJ	29 UMJ	1100 U	16 U	88 U	24 UMJ
Ethylbenzene	490 J^	53 JLv	360	4 JL	650 JL	16 U	21 JL	13 U
Isopropylbenzene	2800	1900	3900	26	9600	48	120	13 U
Methyl acetate	38 U	160 U	110 U	18 U	8700 UMJ	16 U	88 U	13 U
Methyl cyclohexane	540	300	390	7 JL	620 JL	3 JL	69 JL	13 U
Methyltert-butylether	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U
n-Butylbenzene	--	--	--	--	--	--	--	--
n-Hexane	--	--	--	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	--	--	--
Styrene	38 U	160 U	86 JL	18 U	1100 U	16 U	88 U	13 U
tert-Butylbenzene	--	--	--	--	--	--	--	--
Tetrachloroethene	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U
Toluene	60 J^	19 JLv	950	2 JL	660 JL	16 U	38 JL	13 U
trans-1,2-Dichloroethene	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U
trans-1,3-Dichloropropene	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U
Trichloroethane	38 U	18 JL	110 U	2 JL	1100 U	16 U	88 U	13 U
Trichloroethylene	--	--	--	--	--	--	--	--
Trichlorofluoromethane	4 JL	160 U	110 U	18 U	1100 U	16 U	26 JL	13 U
Trichlorotrifluoroethane	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U
Vinyl Acetate	--	--	--	--	--	--	--	--
Vinyl chloride	38 U	160 U	110 U	18 U	1100 U	16 U	88 U	13 U
Total xylene	1400 J^	610 Jv	1400	22	3500	46	91	13 U
4-Chlorotoluene	--	--	--	--	--	--	--	--

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code	EPA SSI	TMDL T	TMDL T	TMDL U	TMDL U	TMDL V	TMDL V	TMDL Y	TMDL Y
Location ID	SE-27	T-9/5/2000	T-4/25/2001	U-9/6/2000	U-4/24/2001	V-9/5/2000	V-4/23/2001	Y-9/6/2000	Y-4/26/2001
Sample ID	SE-28_3/30/00_(0-1.25)	9/5/2000	4/25/2001	9/6/2000	4/24/2001	9/5/2000	4/23/2001	9/6/2000	4/26/2001
Sample Date	3/30/2000	9/5/2000	4/25/2001	9/6/2000	4/24/2001	9/5/2000	4/23/2001	9/6/2000	4/26/2001
Depth Interval	0-1.25 ft	0-0.33 ft	0-0.33 ft	0-0.33 ft	0-0.33 ft	0-0.33 ft	0-0.33 ft	0-0.33 ft	0-0.33 ft
Sample Type	FD	N	N	N	N	N	N	N	N
Conventionals									
Acid volatile sulfides ($\mu\text{mol/g}$)	--	--	--	--	--	--	--	--	--
Ammonia (mg/kg)	--	--	--	--	--	--	--	--	--
Conductivity ($\mu\text{mhos/cm}$)	--	--	5482	--	4209	--	5277	--	6950
Cyanide (mg/kg)	0.03 UJ	--	--	--	--	--	--	--	--
Dissolved Oxygen (mg/L)	--	--	6.3	--	6.67	--	6.63	--	6.09
Moisture (%)	--	51.5	34.4	43.6	33.8	68.8	42.3	35.8	35
pH	--	--	7.8	--	7.42	--	7.71	--	7.59
Salinity (ppm)	--	--	0.00293	--	0.00221	--	0.00283	--	0.00383
Temperature (deg C)	--	--	25.4	--	31.2	--	27.2	--	23.6
Total organic carbon (%)	--	2.1	2.19	1.8	1.49	2.7	2.6	18.6	1.26
Total solids (%)	--	53.73	62.7	68.44	63.7	40.34	46.7	71.54	68.2
Grain Size (%)									
Gravel	--	--	--	--	--	--	--	--	--
Sand	--	88.77	66.1	31.8	11.3	14.4	27.9	46.99	41.6
Silt	--	1.60	22.5	50.9	53.1	50.75	47.4	41.9	36.7
Clay	--	9.63	11.4	17.2	35.6	34.9	24.7	11	21.7
Metals (mg/kg)									
Aluminum	3690	--	--	--	--	--	--	--	--
Antimony	0.26 U	--	--	--	--	--	--	--	--
Arsenic	2 L	4.73	11.4	3.11	10.3	4.31	12	31.8	14.7
Barium	59.7	383	318	257	334	373	365	23500	445
Beryllium	0.47 L	--	--	--	--	--	--	--	--
Cadmium	0.13 U	0.415	0.376	0.0872	0.0907	0.642	0.712	1.52	0.169
Calcium	4730	--	--	--	--	--	--	--	--
Chromium	9.8	84.4	40.7	29.4	40.1	92.9	73.8	63.9 J	42.1
Cobalt	2.6 L	--	--	--	--	--	--	--	--
Copper	10.1	52.3	37.9	14.9	15.5	69.9	62.3	47.1	18.3
Iron	5160	10900	10200	9340	20300	20400	22000	13400 J	29400
Lead	13.5	28.9	127	15	16.8	48.2	50.9	41.8 J	33.0
Magnesium	1420	--	--	--	--	--	--	--	--
Manganese	74.5	--	--	--	--	--	--	--	--
Mercury	0.8	3.21	1.10	0.666	0.744	6.55	3.98	0.823	0.222
Mercury (bias corrected)	--	--	--	--	--	--	--	--	--
Nickel	7.4 L	25	19.8	12.9	21.4	33.5	33.5	42.8	31.9
Potassium	841 L	--	--	--	--	--	--	--	--
Selenium	0.39 U	0.7	0.51	0.603	0.372 U	1.09	1.06	0.344	0.43
Silver	0.13 U	0.411	0.611	0.131	0.162	0.763	0.757	0.347	0.129
Sodium	2190	--	--	--	--	--	--	--	--
Thallium	1 L	--	--	--	--	--	--	--	--
Vanadium	10.6 L	--	--	--	--	--	--	--	--
Zinc	48.5	281 J	252	54.3	50.9	310	295	1540 J	73.9
Diox/Furans (ng/kg)									
1,2,3,4,6,7,8-HpCDD	--	332	256 J	60.8	15.6 J	406	227 J	294	64.4 J
1,2,3,4,6,7,8-HpCDF	--	134	91.2	128	16.4 J	1698	440	89.4	36.7 J

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code Location ID Sample ID Sample Date Depth Interval Sample Type	EPA SSI SE-27 SE-28_3/30/00_(0-1.25)	TMDL T T-9/5/2000	TMDL T T-4/25/2001	TMDL U U-9/6/2000	TMDL U U-4/24/2001	TMDL V V-9/5/2000	TMDL V V-4/23/2001	TMDL Y Y-9/6/2000	TMDL Y Y-4/26/2001
1,2,3,4,7,8,9-HxCDF	--	16.9	11.9	18.1	1.41 J	190	74.5	7.71	3.4 J
1,2,3,4,7,8-HxCDD	--	4.62	4.38	1.53 U	0.52 U	6.85 U	6.59	7.24 U	1.44
1,2,3,4,7,8-HxCDF	--	51.8	31.7	84	7.99 J	489	271	44.4	14.9
1,2,3,6,7,8-HxCDD	--	14.5	11.7	1.92	0.46 U	19.3	11.5	12	3.03
1,2,3,6,7,8-HxCDF	--	18.6	12.8	24.1	1.95 J	154	86.5	17.7	6.16 J
1,2,3,7,8,9-HxCDD	--	12.6	9.86	2.69	0.86 UJ	19.7	10.8	10.3	3.74
1,2,3,7,8,9-HxCDF	--	1.47	0.87 U	1.02 U	0.36 U	17.1	15.9	7.27 U	0.51 U
1,2,3,7,8-PeCDD	--	2.46	1.77 U	0.65 U	0.58 U	1.3 U	2.23 U	3.03 U	0.829
1,2,3,7,8-PeCDF	--	21.2	13.6	52.6	4.78	327	208	29.2	7.54
2,3,4,6,7,8-HxCDF	--	5.86	5.2	5.99	0.526	24.5	33.1	9.42	4.8
2,3,4,7,8-PeCDF	--	13.2	11.4	15.7	1.33 U	110	69.7	38.2	8.39
2,3,7,8-TCDD	--	2.2	0.73 U	3.9	0.5 U	37.6	20.6	3.06	0.59 U
2,3,7,8-TCDF	--	21.3	9.37	22.4	2.74	176	84.2	108	13
OCDD	--	4847	3011	667	484	5240	3391	3280	1027
OCDF	--	772	439	2423	457	77482	15440	640	348
Total HpCDD	--	803	767	160	62.3	1157	682	697	137
Total HpCDF	--	278	181	224	30.1	2781	802	162	78.8
Total HxCDD	--	134	120	27.4	10.6	232	143	94.6	36.8
Total HxCDF	--	187	116	191	21.1	1549	859	71.5	68.6
Total PeCDD	--	15.8	4.29	0.65 U	0.58 U	40.9	0.79 U	2.97 U	2.47
Total PeCDF	--	120	67.9	152	10	1145	673	284	92.3
Total TCDD	--	18.1	20.5	3.9	0.44 U	48.2	31.1	20.8	16.4
Total TCDF	--	142	64.3	70	5.77	656	371	536	116
Total TEQ (as reported by Lab)	--	34.6	21.9	33.6	2.83	305	144	51.6	12.1
Total D/F TEQ-Bird (U=1/2; max RL)	--	53.1	31.3	61.2	5.83	455	246	164	27
Total D/F TEQ-Fish (U=1/2; max RL)	--	26.1	17.1	29.5	2.73	217	123	41.7	10.3
Total D/F TEQ-Mammal (U=1/2; max RL)	--	30.8	20.1	31.3	2.97	231	128	50.3	11.6
PCBs (µg/kg)									
Aroclor 1016	43 U	--	--	--	--	--	--	--	--
Aroclor 1221	87 U	--	--	--	--	--	--	--	--
Aroclor 1232	43 U	--	--	--	--	--	--	--	--
Aroclor 1242	43 U	--	--	--	--	--	--	--	--
Aroclor 1248	290 J	--	--	--	--	--	--	--	--
Aroclor 1254	43 U	--	--	--	--	--	--	--	--
Aroclor 1260	43 U	--	--	--	--	--	--	--	--
Mean Aroclor PCB	--	837	626	78.8	12.8	447	442	2570	58.1
Total PCBs (U=1/2; Max RL)	441	--	--	--	--	--	--	--	--
Pesticides (µg/kg)									
4,4'-DDD	4.3 U	38 U	40 U	40 U	40 UJ	40 U	0.979	40 U	0.144 J
4,4'-DDE	4.3 U	7.49	40 U	6.63	0.178 J	20.5	3.45	3 U	1.77 J
4,4'-DDT	4.3 U	38 U	0.476	40 U	0.038	40 U	2.04	40 U	40 U
Aldrin	9.6 UMJ	--	--	--	--	--	--	--	--
alpha-BHC	2.2 U	--	--	--	--	--	--	--	--
alpha-Chlordane	2.2 U	38 U	0.393	40 U	0.302 J	40 U	0.306	40 U	0.112 J
beta-BHC	2.2 U	--	--	--	--	--	--	--	--

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code Location ID Sample ID Sample Date Depth Interval Sample Type	EPA SSI SE-27 SE-28_3/30/00_(0-1.25)	TMDL T T-9/5/2000	TMDL T T-4/25/2001	TMDL U U-9/6/2000	TMDL U U-4/24/2001	TMDL V V-9/5/2000	TMDL V V-4/23/2001	TMDL Y Y-9/6/2000	TMDL Y Y-4/26/2001
delta-BHC	2.2 U	--	--	--	--	--	--	--	--
Dieldrin	4.3 U	--	--	--	--	--	--	--	--
Endosulfan I	2.2 U	--	--	--	--	--	--	--	--
Endosulfan II	4.3 U	--	--	--	--	--	--	--	--
Endosulfan Sulfate	4.3 U	--	--	--	--	--	--	--	--
Endrin	4.3 U	--	--	--	--	--	--	--	--
Endrin aldehyde	4.3 U	--	--	--	--	--	--	--	--
Endrin ketone	4.3 U	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	2.2 U	--	--	--	--	--	--	--	--
gamma-Chlordane	2.2 U	38 U	0.127	40 U	0.329 J	40 U	0.605	40 U	0.185 J
Heptachlor	2.2 U	--	--	--	--	--	--	--	--
Heptachlor Epoxide	2.2 U	38 U	0.319	40 U	40 UJ	40 U	40 U	40 U	0.278 J
Methoxychlor	22 U	--	--	--	--	--	--	--	--
Toxaphene	110 U	1667 U	1600 U	1667 U	1600 U	1667 U	1600 U	1667 U	1600 U
Total DDT (U=1/2; Max RL)	4.3 U	45.5	40.5	46.6	20.2	60.5	6.46	40 U	21.9
Total Chlordane (a&g; U=1/2; Max RL)	2.2 U	38 U	0.52	40 U	0.63	40 U	0.91	40 U	0.29
SVOCs (µg/kg)									
1,1'-Biphenyl	58 JL	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
1,2-Diphenylhydrazine	--	385 U	--	400 U	--	400 U	--	400 U	--
2,4,5-Trichlorophenol	1100 U	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	430 U	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	430 U	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	430 U	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	1100 U	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	430 U	385 U	660 U	400 U	660 U	400 U	660 U	400 U	49.6
2,6-Dinitrotoluene	430 U	385 U	129 J	400 U	400 U	400 U	175 J	400 U	23000
2-Chloronaphthalene	430 U	385 U	400 UJ	400 U	400 U	400 U	2.46 J	400 U	400 U
2-Chlorophenol	430 U	--	--	--	--	--	--	--	--
2-Methylnaphthalene	430 U	133	82.9 J	71	29.1	494	343	22900	30.1
2-Methylphenol	430 U	--	--	--	--	--	--	--	--
2-Nitroaniline	1100 U	--	--	--	--	--	--	--	--
2-Nitrophenol	430 U	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	430 U	385 U	107 J	400 U	R	400 U	0.151 J	400 U	400 U
3-Nitroaniline	1100 U	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	1100 U	--	--	--	--	--	--	--	--
4-Bromophenyl-phenylether	430 U	385 U	400 UJ	400 U	400 U	400 U	400 UJ	400 U	400 U
4-Chloro-3-methylphenol	430 U	--	--	--	--	--	--	--	--
4-Chloroaniline	430 U	--	--	--	--	--	--	--	--
4-Chlorophenyl-phenylether	430 U	385 U	400 U	400 U	400 U	400 U	400 UJ	400 U	400 U
4-Methylphenol	430 U	--	--	--	--	--	--	--	--
4-Nitroaniline	1100 U	--	--	--	--	--	--	--	--
4-Nitrophenol	1100 U	--	--	--	--	--	--	--	--
Acenaphthene	77 JL	96.4	180	68.5	35.1 J	1550	900	19200	2.47 J
Acenaphthylene	180 JL	521	376 J	332	44.3	2070	1860 J	31000	59

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code Location ID Sample ID	EPA SSI SE-27 SE-28_3/30/00_(0-1.25)	TMDL T T-9/5/2000	TMDL T T-4/25/2001	TMDL U U-9/6/2000	TMDL U U-4/24/2001	TMDL V V-9/5/2000	TMDL V V-4/23/2001	TMDL Y Y-9/6/2000	TMDL Y Y-4/26/2001
Sample Date Depth Interval Sample Type	3/30/2000 0-1.25 ft FD	9/5/2000 0-0.33 ft	4/25/2001 0-0.33 ft	9/6/2000 0-0.33 ft	4/24/2001 0-0.33 ft	9/5/2000 0-0.33 ft	4/23/2001 0-0.33 ft	9/6/2000 0-0.33 ft	4/26/2001 0-0.33 ft
Acetophenone	430 U	--	--	--	--	--	--	--	--
Anthracene	52 JL	264	326 J	119	23.2 J	803	774 J	14000	34.1 J
Atrazine	430 U	--	--	--	--	--	--	--	--
Azobenzene	--	385 U	400 UJ	400 U	400 U	400 U	400 UJ	400 U	10.9
Benzaldehyde	430 U	--	--	--	--	--	--	--	--
Benzidine	--	143	119 J	400 U	400 U	161	400 UJ	400 U	400 U
Benzo(a)anthracene	58 JL	716	1240	400 U	660 U	550	807	3260	189
Benzo(a)pyrene	190 JL	830	1490	400 U	R	1160	1300	400 U	222
Benzo(b)fluoranthene	93 JL	1020	1620 J	147	R	970	1080 J	400 U	255
Benzo(g,h,i)perylene	520	595	621 J	106	R	1370	1070 J	400 U	167
Benzo(k)fluoranthene	73 JL	1010	1520	163	400 U	835	1100	400 U	223
Total LPAHs (U=1/2; Max RL)	735	1991	2274	1088	218	9670	7301	164500	414
bis(2-Chloroethoxy)methane	430 U	385 U	400 UJ	400 U	400 U	400 U	0.414 J	400 U	10.9
bis(2-Chloroethyl)ether	430 U	385 U	1180 J	400 U	660 U	400 U	0.672 J	400 U	48.9
bis(2-Chloroisopropyl)ether	430 U	49.2	310 J	400 U	400 U	40.2	12.8 J	400 U	9.16
bis(2-Ethylhexyl)phthalate	430 U	1180	2550	400 U	R	1390	2250	4690	1750 J
Butylbenzylphthalate	430 U	120	188	400 U	37.6	117	0.578	400 U	35
Toxaphene	110 U	1667 U	1600 U	1667 U	1600 U	1667 U	1600 U	1667 U	1600 U
Caprolactam	430 U	--	--	--	--	--	--	--	--
Carbazole	430 U	--	--	--	--	--	--	--	--
Chrysene	96 JL	1160	2300 J	254	R	1040	1580 J	6150	397
Dibenzo(a,h)anthracene	430 U	130	138 J	400 U	400 U	109	127 J	400 U	400 U
Dibenzofuran	430 U	--	--	--	--	--	--	--	--
Diethylphthalate	430 U	385 U	203 J	400 U	153	42.2	0.176 J	400 U	57.6
Dimethylphthalate	--	385 U	26.2 J	400 U	400 U	400 U	56.8 J	400 U	400 U
Di-n-butylphthalate	430 U	37.3	77.3 J	54.8	55.9 J	400 U	18.4 J	400 U	54.1 J
Di-n-octylphthalate	430 U	46.1	83.4	21.9	R	78.5	49.7 J	400 U	19 J
Fluoranthene	570	1710	3490 J	337	76.4	3840	4010 J	9810	518
Fluorene	56 JL	153	222 J	125	18.1	824	802 J	12000	18.1
Hexachlorobenzene	3100	385 U	75.8 J	1030	13.8 J	10400	8790 J	400 U	151
Hexachlorobutadiene	1400	385 U	89.7 J	773	57.8 J	16100	23300 J	400 U	400 U
Hexachlorocyclopentadiene	430 U	--	--	--	--	--	--	--	--
Hexachloroethane	270 JL	385 UJ	119 J	400 UJ	400 U	457 J	2210	400 UJ	21.3
Indeno(1,2,3-cd)pyrene	170 JL	--	--	--	--	--	--	--	--
Isophorone	430 U	--	--	--	--	--	--	--	--
Naphthalene	70 JL	212	121 UJ	97	41.2 J	903	585	41500	35.9 J
Nitrobenzene	430 U	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	430 U	--	--	--	--	--	--	--	--
n-Nitrosodiphenylamine	430 U	--	--	--	--	--	--	--	--
Pentachlorophenol	1100 U	--	--	--	--	--	--	--	--
Phenanthrene	300 J	745	1110 J	346	56.4 J	3520	2380 J	46800	264 J
Phenol	430 U	--	--	--	--	--	--	--	--
Pyrene	1200	1550	2740 J	507	149 J	7450	5650 J	15700	429 J
Total HPAHs (U=1/2; Max RL)	3185	8721	15159	2114	955	17324	16724	35920	2600
Total PAHs (U=1/2; Max RL)	3920	10712	17442	3202	--	26994	24025	200420	3607

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code Location ID Sample ID Sample Date Depth Interval Sample Type	EPA SSI SE-27 SE-28_3/30/00_(0-1.25) 3/30/2000 0-1.25 ft FD	TMDL T T-9/5/2000 9/5/2000 0-0.33 ft N	TMDL T T-4/25/2001 4/25/2001 0-0.33 ft N	TMDL U U-9/6/2000 9/6/2000 0-0.33 ft N	TMDL U U-4/24/2001 4/24/2001 0-0.33 ft N	TMDL V V-9/5/2000 9/5/2000 0-0.33 ft N	TMDL V V-4/23/2001 4/23/2001 0-0.33 ft N	TMDL Y Y-9/6/2000 9/6/2000 0-0.33 ft N	TMDL Y Y-4/26/2001 4/26/2001 0-0.33 ft N
VOCs (µg/kg)									
1,1,1,2-Tetrachloroethane	--	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
1,1,1-Trichloroethane	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
1,1,2,2-Tetrachloroethane	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
1,1,2-Trichloroethane	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
1,1-Dichloroethane	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	24.1	7.3 U
1,1-Dichloroethene	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
1,1-Dichloropropene	--	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	8.1	7.3 U
1,2,3-Trichloropropane	--	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
1,2,4-Trimethylbenzene	--	8.3 U	8 U	--	7.8 U	16 U	11 U	51.6	7.3 U
1,2-Dibromo-3-chloropropane	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
1,2-Dibromoethane	13 U	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	13 U	385 U	8 U	400 U	7.8 U	400 U	11 U	400 U	7.3 U
1,2-Dichloroethane	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
1,2-Dichloropropane	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
1,3,5-Trimethylbenzene	--	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	46.3	7.3 U
1,3-Dichlorobenzene	2 JL	385 U	21	121	492	3550	3050	400 U	9.92
1,3-Dichloropropane	--	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
1,4-Dichlorobenzene	13 U	385 U	28	131	153	1410	1640	400 U	7.3 U
2,2-Dichloropropane	--	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	3.65 U
2-Butanone (MEK)	13 U	165 U	159 U	158 U	157 U	311 U	214 U	153 U	147 U
2-Chloroethylvinylether	--	8.3 UJ	8 UJ	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
2-Chlorotoluene	--	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
2-Hexanone	13 U	82.5 U	79.7 U	78.9 U	78.5 U	155 U	107 U	76.3 U	73.3 U
4-Isopropyltoluene	--	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
4-Methyl-2-pentanone (MIBK)	13 U	82.5 U	79.7 U	78.9 U	78.5 U	155 U	107 U	76.3 U	73.3 U
Acetone	13 UMJ	165 U	159 U	158 U	157 U	311 U	214 U	205	146.6 U
Acrolein	--	82.5 UJ	79.7 UJ	78.9 UJ	78.5 U	155 UJ	107 U	76.3 UJ	73.3 U
Acrylonitrile	--	82.5 U	79.7 UJ	78.9 U	78.5 U	155 U	107 U	76.3 U	73.3 U
Benzene	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
Bromobenzene	--	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
Bromochloromethane	--	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
Bromodichloromethane	13 U	8.3 U	8 UJ	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
Bromoform	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
Bromomethane	13 U	17 U	16 UJ	16 U	16 U	31.1 U	21.4 U	15.3 U	15 U
Carbon disulfide	8 JL	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
Carbon tetrachloride	13 U	8.3 U	8 UJ	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
Chlorobenzene	13 U	8.3 U	8 U	7.9 U	7.8 U	23	20	10	7.3 U
Chloroethane	13 U	16.5 U	15.9 UJ	15.8 U	15.7 U	31.1 U	21.4 U	15.3 U	14.7 U
Chloroform	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
Chloromethane	13 U	16.5 U	15.9 UJ	15.8 U	15.7 U	31.1 U	21.4 U	15.3 U	14.7 U
cis-1,2-Dichloroethene	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
cis-1,3-Dichloropropene	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
Cyclohexane	13 U	--	--	--	--	--	--	--	--
Dibromochloromethane	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U

Table 9
Summary of Sediment Data for Patrick Bayou

Task Code Location ID Sample ID Sample Date Depth Interval Sample Type	EPA SSI SE-27 SE-28_3/30/00_(0-1.25) 3/30/2000 0-1.25 ft	TMDL T T-9/5/2000 9/5/2000 0-0.33 ft	TMDL T T-4/25/2001 4/25/2001 0-0.33 ft	TMDL U U-9/6/2000 9/6/2000 0-0.33 ft	TMDL U U-4/24/2001 4/24/2001 0-0.33 ft	TMDL V V-9/5/2000 9/5/2000 0-0.33 ft	TMDL V V-4/23/2001 4/23/2001 0-0.33 ft	TMDL Y Y-9/6/2000 9/6/2000 0-0.33 ft	TMDL Y Y-4/26/2001 4/26/2001 0-0.33 ft
Dibromomethane	--	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
Dichlorodifluoromethane	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
Dichloromethane	20 UMJ	16.5 U	8 U	15.8 U	11	31.1 U	11 U	15.3 U	7.3 U
Ethylbenzene	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	153	7.3 U
Isopropylbenzene	13 U	8.3 U	25.4	7.9 U	7.8 U	16 U	11 U	29000	3.65 U
Methyl acetate	13 U	--	--	--	--	--	--	--	--
Methyl cyclohexane	13 U	--	--	--	--	--	--	--	--
Methyltert-butylether	13 U	--	--	--	--	--	--	--	--
n-Butylbenzene	--	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
n-Hexane	--	16.5 U	31.9 U	15.8 U	31.4 U	31.1 U	42.8 U	24.9	29.3 U
n-Propylbenzene	--	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	66	7.3 U
sec-Butylbenzene	--	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	10	7.3 U
Styrene	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
tert-Butylbenzene	--	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	40.9	7.3 U
Tetrachloroethene	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	13	7.3 U
Toluene	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	21.8	7.3 U
trans-1,2-Dichloroethene	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	3.65 U
trans-1,3-Dichloropropene	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
Trichloroethane	13 U	--	--	--	--	--	--	--	--
Trichloroethene	--	8.3 U	8 UJ	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
Trichlorofluoromethane	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
Trichlorotrifluoroethane	13 U	--	--	--	--	--	--	--	--
Vinyl Acetate	--	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U
Vinyl chloride	13 U	3.3 U	3.2 UJ	3.2 U	3.1 U	6.2 U	4.3 U	3.1 U	2.9 U
Total xylene	13 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	267	7.3 U
4-Chlorotoluene	--	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U	7.3 U

Table 10
Summary of Water Data for Patrick Bayou

Table 10
Summary of Water Data for Patrick Bayou

Task Code	RT	RT	RT	RT	TQ	TQ	TQ	RT	RT	TQ	RT	TQ	RT	RT	RT	RT	RT	RT	RT	
Location ID	11273	11273	11273	11273	11273	PA00045	PA00023	11273	11273	PA00039	11273	PA00043	11273	11273	11273	11273	11273	11273	11273	
Sample ID	0027788	0029246	0029393	0030802	7/19/2000	8/29/2000	8/31/2000	10/25/2000	11/15/2000	1/24/2001	1/24/2001	4/12/2001	4/30/2001	0033020	0033229	0033410	0036040	0037361	0037362	0037104
Sample Date	10/13/1999	1/25/2000	5/9/2000	7/19/2000	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
Depth Interval	0-0.3 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
Sample Type	N	N	N	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Metals-total (µg/L)																				
Aluminum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Calcium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Chromium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Iron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Magnesium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Manganese	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.055	--	--	0.217	
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Potassium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Selenium	25 U	33 U	5.5 U	22 U	--	--	--	22 U	11 U	--	1.1 U	--	33 U	--	--	--	--	--	--	
Silver	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Sodium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Zinc	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
TPH (mg/L)																				
TPH - Oil and grease	--	--	--	--	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Diox/Furans (pg/L)																				
1,2,3,4,6,7,8-HpCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2,3,4,6,7,8-HpCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2,3,4,7,8,9-HpCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2,3,4,7,8-HxCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2,3,4,7,8-HxCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2,3,6,7,8-HxCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2,3,6,7,8-HxCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2,3,7,8,9-HxCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2,3,7,8,9-HxCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2,3,7,8-PeCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2,3,7,8-PeCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,3,4,6,7,8-HxCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,3,4,7,8-PeCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,3,7,8-TCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,3,7,8-TCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total HpCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total HpCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total HxCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total HxCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total PeCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total PeCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total TCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total TCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total D/F TEQ-Bird (U=1/2; max RL)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total D/F TEQ-Fish (U=1/2; max RL)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total D/F TEQ-Mammal (U=1/2; max RL)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table 10
Summary of Water Data for Patrick Bayou

	Task Code	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	TQ	RT	RT	RT	RT
	Location ID	11273	11273	11273	11273	11273	11273	11273	11273	11273	11273	11273	11273	11273	11273	11273	UH03118	11273	11273	11273	11273
	Sample ID	0038664	0041064	0041066	0041067	0041239	0041242	0035905	0044144	0044176	0044221	0044326	0044360	0046213	0046384	0046439	0046548	0046555	0049400	0049401	0049400
	Sample Date	12/16/2002	2/5/2003	2/5/2003	2/5/2003	4/23/2003	4/23/2003	7/17/2003	7/17/2003	8/25/2003	8/25/2003	11/5/2003	11/5/2003	1/27/2004	4/14/2004	4/14/2004	4/29/2004	7/1/2004	7/1/2004	11/18/2004	11/18/2004
	Depth Interval	0-0.3 ft	0-0.3 ft	0-0.3 ft	N	0-0.3 ft	N	0-0.3 ft	N	0-0.3 ft	N	0-0.3 ft	N	0-0.3 ft	N	0-0.3 ft	.3-0.3 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Conventionals - dissolved (mg/L)																					
Dissolved Oxygen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Hardness as CaCO ₃	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	529	--	100	--	--	
Nitrate + Nitrite	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
ortho-Phosphate	--	0.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Dissolved organic carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total dissolved solids	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Conventionals - total																					
Alkalinity (mg/L)	--	122	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Ammonia (mg/L)	--	0.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Biochemical oxygen demand (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Chemical oxygen demand (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Conductivity ($\mu\text{mhos/cm}$)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Fluoride (mg/L)	--	0.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Hardness as CaCO ₃ (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Nitrate as Nitrogen (mg/L)	--	2.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Nitrite as Nitrogen (mg/L)	--	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total Kjeldahl nitrogen (mg/L)	--	1.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
pH	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Phosphorus (mg/L)	--	0.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Salinity (ppm)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Sulfate (mg/L)	--	715	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Sulfide (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Temperature (deg F)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total chloride (mg/L)	--	4330	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total organic carbon (mg/L)	--	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total solids (mg/L)	--	16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total dissolved solids (mg/L)	--	8460	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total volatile solids (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Metals-dissolved (µg/L)																					
Aluminum	--	--	20 U	--	20 U	--	--	20 U	--	20 U	--	--	--	--	5.54	--	4.78	--	--	--	
Arsenic	--	--	1.32	--	1.85	--	--	3.14	--	2.88	2.01	--	--	--	6.55	--	3.81	--	4.96	--	
Cadmium	--	--	0.05 U	--	0.05 U	--	--	0.05 U	--	0.05 U	0.05 U	--	--	--	1 U	--	1 U	--	0.1 U	--	
Calcium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	79100	--	31100	--	--	--	
Chromium	--	--	6	--	5 U	--	--	5 U	--	5 U	5 U	--	--	--	1 U	--	1 U	--	--	--	
Copper	--	--	1.72	--	1.73	--	--	2.06	--	2.05	1.54	--	--	--	6.35	--	2.06	--	--	--	
Iron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.05 U	--	0.05 U	--	--	--	
Lead	--	--	0.092	--	0.111	--	--	0.061	--	0.063	0.058	--	--	--	1 U	--	1 U	--	1 U	--	
Magnesium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	80600	--	5520	--	--	--	
Manganese	--	--	--	--	--	--	--	--	--	--	--	--	--	--	63	--	11.2	--	--	--	
Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Nickel	--	--	2.79	--	3.39	--	--	2.99	--	3.37	3.07	--	--	--	5.08	--	2.41	--	--	--	
Potassium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	26100	--	3080	--	--	--	
Selenium	--	--	0.741	--	1.26	--	--	0.968	--	1.15	0.74	--	--	--	4 U	--	4 U	--	0.14	--	
Silver	--	--	5 U	--	5 U	--	--	5 U	--	5 U	5 U	--	--	--	1 U	--	1 U	--	0.5 U	--	
Sodium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	871000	--	77800	--	--	--	
Zinc	--	--	10.4	--	11.1	--	--	10.3	--	11.7	8.43	--	--	--	4 U	--	4.95	--	--	--	

Table 10
Summary of Water Data for Patrick Bayou

	Task Code	RT 11273	RT 11273	RT 11273	RT 11273	RT 11273	RT 11273	RT 11273	RT 11273	RT 11273	RT 11273	RT 11273	RT 11273	RT 11273	RT 11273	TQ 11273	RT 11273	RT 11273	RT 11273	RT 11273	RT 11273	
	Location ID	0038664	0041064	0041066	0041067	0041239	0041242	0035905	0044144	0044176	0044221	0044326	0044360	0046213	0046384	0046439	UH03118	0046548	0046555	0049400	0049401	
	Sample Date	12/16/2002	2/5/2003	2/5/2003	2/5/2003	4/23/2003	4/23/2003	7/17/2003	7/17/2003	8/25/2003	8/25/2003	11/5/2003	11/5/2003	1/27/2004	4/14/2004	4/14/2004	4/29/2004	7/1/2004	7/1/2004	11/18/2004	11/18/2004	
	Depth Interval	0-0.3 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft	N	N	N	N	N	N	N	N	N	N	N	N	0-0.3 ft	0-0.3 ft	0-0.3 ft
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Metals-total (µg/L)																						
Aluminum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	0.117	--	--	0.086	--	0.044	0.091	--	0.042	--	--	0.111	0.068	0.52	--	--	--	0.14	--	0.09	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.35	--	--	4 U	--	0.21	--	--
Silver	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	--	3000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH (mg/L)																						
TPH - Oil and grease	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diox/Furans (pg/L)																						
1,2,3,4,6,7,8-HxCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.41	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.142 U	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.142 U	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.142 U	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.242	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.142 U	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.142 U	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.142 U	--	--	--	--	--	--
1,2,3,7,8-PeCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.142 U	--	--	--	--	--	--
1,2,3,7,8-PeCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.199	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.142 U	--	--	--	--	--	--
2,3,4,7,8-PeCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.142 U	--	--	--	--	--	--
2,3,7,8-TCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.028 U	--	--	--	--	--	--
2,3,7,8-TCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.741	--	--	--	--	--	--
OCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17.094	--	--	--	--	--	--
OCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22.792	--	--	--	--	--	--
Total HpCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.989	--	--	--	--	--	--
Total HpCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.983	--	--	--	--	--	--
Total HxCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.385	--	--	--	--	--	--
Total HxCDF	--	--	--	--	--																	

Table 10
Summary of Water Data for Patrick Bayou

Task Code	TQ	RT	RT	RT	RT	RT	RT	RT	RT	RT	TQ	TQ	TQ	TQ	TQ	TQ	TQ	TQ	TQ	
Location ID	11273	11273	11273	11273	11273	11273	11273	11273	11273	11273	16874	16874	16876	16876	16876	16876	16876	16876	17149	17149
Sample ID	UH03155	0049564	0049565	0049724	0049733	0051036	0051037	0051218	0051219	0053291	PA00071	PA00072	PA00047	PA00030	PA00073	PA00059	PA00064	PA00046	PA00029	PA00048
Sample Date	12/1/2004	2/16/2005	2/16/2005	4/27/2005	4/27/2005	8/4/2005	8/4/2005	11/29/2005	11/29/2005	2/2/2006	8/30/2000	8/30/2000	8/29/2000	8/31/2000	10/25/2000	1/24/2001	4/30/2001	8/29/2000	8/31/2000	8/29/2000
Depth Interval	.3-0.3 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft	N	N	N	N	N	0-0.3 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft				
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Conventional - dissolved (mg/L)																				
Dissolved Oxygen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.45	--	--	--	--
Hardness as CaCO ₃	--	273	--	1630	--	1950	--	1600	--	2440	--	--	--	--	--	--	--	--	--	--
Nitrate + Nitrite	--	--	--	--	--	--	--	--	--	1.72	--	--	--	--	--	--	--	--	--	--
ortho-Phosphate	--	--	--	--	--	--	--	--	--	0.4	--	--	--	--	--	--	--	--	--	--
Dissolved organic carbon	--	--	--	--	--	--	--	--	--	--	25.4	24.9	--	31.4	13.6	22.9	25.1	--	26.8	
Total dissolved solids	--	--	--	--	--	--	--	--	--	--	2425	18410	--	15496	4929	3866	18416	--	17622	
Conventional - total																				
Alkalinity (mg/L)	--	--	--	--	--	--	--	--	--	109	--	138	114	--	102	120	102	108	--	124
Ammonia (mg/L)	--	--	--	--	--	--	--	--	--	0.55	--	--	--	--	--	--	--	--	--	--
Biochemical oxygen demand (mg/L)	--	--	--	--	--	--	--	--	--	--	3	3	--	2 U	2 U	2 U	2 U	--	7	
Chemical oxygen demand (mg/L)	--	--	--	--	--	--	--	--	--	--	51	40	--	64	34	32	56	--	64	
Conductivity ($\mu\text{mhos/cm}$)	--	--	--	--	--	--	--	--	--	3997	--	--	--	23340	--	--	--	--	--	
Fluoride (mg/L)	--	--	--	--	--	--	--	--	--	0.7	--	--	--	--	--	--	--	--	--	
Hardness as CaCO ₃ (mg/L)	--	280	--	1650	--	--	--	1650	--	2550	--	--	--	--	--	--	--	--	--	
Nitrate as Nitrogen (mg/L)	--	--	--	--	--	--	--	--	--	--	7.96	26.6	--	3.6	2.9	3.38	33	--	22.2	
Nitrite as Nitrogen (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total Kjeldahl nitrogen (mg/L)	--	--	--	--	--	--	--	--	--	1.86	--	4.4	2.3	--	2.5	2.5	2.6	2.4	--	2.7
pH	--	--	--	--	--	--	--	--	--	7.93	7.71	7.6	--	7.53	7.48	7.67	7.61	--	8.6	
Phosphorus (mg/L)	--	--	--	--	--	--	--	--	--	0.42	--	2.85	0.6	--	0.49	0.85	0.605	0.58	--	0.72
Salinity (ppm)	--	--	--	--	--	--	--	--	--	0.00211	--	--	--	0.01401	--	--	--	--	--	
Sulfate (mg/L)	--	--	--	--	--	--	--	--	--	1250	--	190	900	--	1025	700	300	1250	--	1400
Sulfide (mg/L)	--	--	--	--	--	--	--	--	--	--	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	
Temperature (deg F)	--	--	--	--	--	--	--	--	--	86.41	--	--	--	88.85	--	--	--	--	--	
Total chloride (mg/L)	--	--	--	--	--	--	--	--	--	9060	--	1200	9100	--	7900	2800	1840	9200	--	8800
Total organic carbon (mg/L)	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--	
Total solids (mg/L)	--	--	--	--	--	--	--	--	--	11	--	21.5	19.5	--	28.4	16.8	24.7	69	--	22.5
Total dissolved solids (mg/L)	--	--	--	--	--	--	--	--	--	17200	--	--	--	--	--	--	--	--	--	
Total volatile solids (mg/L)	--	--	--	--	--	--	--	--	--	4 U	--	--	--	--	--	--	--	--	--	
Metals-dissolved (µg/L)																				
Aluminum	--	100 U	--	100 U	--	100 U	--	100 U	--	100 U	--	--	--	--	--	--	--	--	--	
Arsenic	--	5.39	--	4.35	--	25 U	--	--	--	--	--	--	--	--	--	--	--	--	--	
Cadmium	--	0.1 U	--	0.2 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	
Calcium	--	39900	--	123000	--	136000	--	153	--	171000	--	89000	222000	--	181000	104000	94000	220000	--	211000
Chromium	--	4 U	--	4 U	--	4 U	--	4 U	--	4 U	--	--	--	--	--	--	--	--	--	
Copper	--	5.9	--	6	--	3.05	--	--	--	2.38	--	--	5.83	--	--	--	--	6.08	--	
Iron	--	23.2	--	10 U	--	10 U	--	10 U	--	10 U	--	--	--	--	--	--	--	--	--	
Lead	--	1 U	--	1 U	--	2.31	--	--	--	--	--	--	--	--	--	--	--	--	--	
Magnesium	--	42100	--	321000	--	390000	--	--	--	489000	--	7000	582000	--	536000	158000	89000	618000	--	491000
Manganese	--	30	--	36	--	16	--	33	--	17	--	--	--	--	--	--	--	--	--	
Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Nickel	--	5 U	--	5 U	--	5 U	--	5 U	--	5 U	--	--	--	--	--	--	--	--	--	
Potassium	--	20100	--	139000	--	160														

Table 10
Summary of Water Data for Patrick Bayou

Table 10
Summary of Water Data for Patrick Bayou

	Task Code	TQ	TQ	TQ	TQ	TQ	TQ	TQ	TQ	TQ	TQ	TQ	TQ	TQ	RT	RT	RT	RT	RT	RT	SS
Location ID	17151	17152	17152	17152	17152	PA00028	PA00049	PA00022	PA00034	PA00038	PA00044	PA00033	PA00060	PA00042	PA00056	PA00050	PA00020	PA004977	PA004979	PA0041097	PA0041099
Sample ID	PA00028	PA00049	PA00022	PA00034	PA00038	PA00044	PA00033	PA00060	PA00042	PA00044	PA00033	PA00060	PA00042	PA00044	PA00056	PA00050	PA00020	PA004977	PA004979	PA0041097	PA0041099
Sample Date	8/31/2000	8/29/2000	8/31/2000	10/25/2000	1/24/2001	5/24/2001	10/25/2000	1/24/2001	4/30/2001	4/30/2001	8/29/2000	8/30/2000	8/30/2000	8/30/2000	8/30/2000	8/30/2000	8/30/2000	12/16/2002	12/16/2002	2/19/2003	2/19/2003
Depth Interval	0-0.3 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Conventionals - dissolved (mg/L)																					
Dissolved Oxygen	--	--	--	--	8.77	--	--	7.88	9.33	--	--	--	--	--	--	--	--	--	--	--	--
Hardness as CaCO ₃	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate + Nitrite	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ortho-Phosphate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.85	--	1.07	--	--	--	--
Dissolved organic carbon	--	27.2	--	--	--	--	--	35.2	16.4	--	23.4	29.2	--	--	--	--	--	--	--	--	--
Total dissolved solids	--	13976	--	--	--	--	--	10215	2952	--	4090	10509	--	--	--	--	--	--	--	--	--
Conventionals - total																					
Alkalinity (mg/L)	--	122	--	--	--	--	--	122	200	--	96	120	--	210	--	190	--	--	--	--	--
Ammonia (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	0.5	--	1.31	--	--	--	--	--
Biochemical oxygen demand (mg/L)	--	6	--	--	--	--	--	3	6	--	2 U	9	--	--	--	--	--	--	--	--	--
Chemical oxygen demand (mg/L)	--	88	--	--	--	--	--	80	44	--	34	80	--	--	--	--	--	--	--	--	--
Conductivity (μmhos/cm)	--	--	--	18380	--	--	--	19410	5600	--	--	--	--	--	--	--	--	--	--	--	--
Fluoride (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	0.57	--	0.49	--	--	--	--	--
Hardness as CaCO ₃ (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate as Nitrogen (mg/L)	--	2.43	--	--	--	--	--	5.6	5.3	--	4.08	6.02	--	5.89	--	6.84	--	--	--	--	--
Nitrite as Nitrogen (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	0.18	--	0.05	--	--	--	--	--
Total Kjeldahl nitrogen (mg/L)	--	3.4	--	--	--	--	--	3	2.5	--	2.6	4.1	--	1.91	--	2.36	--	--	--	--	--
pH	--	8.76	--	7.84	--	--	7.69	7.64	--	7.63	8.78	--	--	--	--	--	--	--	--	--	--
Phosphorus (mg/L)	--	1.14	--	--	--	--	0.95	1.14	--	0.77	1.55	--	0.81	--	1.31	--	--	--	--	--	--
Salinity (ppm)	--	--	0.0108	--	--	0.01158	0.00305	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate (mg/L)	--	1500	--	--	--	--	1000	750	--	325	1550	--	989	--	844	--	--	--	--	--	--
Sulfide (mg/L)	--	0.1 U	--	--	--	--	0.1 U	0.1 U	--	0.1 U	0.1 U	--	--	--	--	--	--	--	--	--	--
Temperature (deg F)	--	--	83.71	--	--	83.53	59.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total chloride (mg/L)	--	7000	--	--	--	--	5200	1400	--	2000	5000	--	1190	--	2450	--	--	--	--	--	--
Total organic carbon (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	12	--	9	--	--	--	--	--
Total solids (mg/L)	--	32	--	--	--	--	24.7	6	--	36.7	29	--	21	--	18	--	--	--	--	--	--
Total dissolved solids (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	3370	--	4660	--	--	--	--	--
Total volatile solids (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals-dissolved (μg/L)																					
Aluminum	--	--	--	--	--	--	--	--	--	--	--	--	--	52.3	--	23	20 U	20 U	--	--	--
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	1.35	--	0.93	1.48	2.48	--	--	--
Cadmium	0.25 U	--	--	--	--	--	--	--	--	--	--	--	--	0.162	--	0.05 U	0.05 U	0.05 U	--	--	--
Calcium	--	209000	--	--	--	--	165000	129000	--	108000	186000	--	--	--	--	--	--	--	--	--	--
Chromium	5.5	--	--	--	--	--	--	--	--	--	--	--	--	5 U	--	5 U	5 U	5 U	--	--	--
Copper	4.83	--	5.43	4.4	3.42	4.74	3.95	3.29	3.55	--	--	4.08	--	3.04	--	1.22	1.78	1.59	--	--	--
Iron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	0.63	--	--	--	--	--	--	--	--	--	--	--	--	0.668	--	0.115	0.112	0.09	--	--	--
Magnesium	--	364000	--	--	--	--	296000	13000	--	93000	262000	--	--	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	0.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	6.3	--	--	--	--	--	--	--	--	--	--	--	--	8.06	--	4.04	3.89	5.01	--	--	--
Potassium	--	118000	--	--	--	--	76000	7900	--	27600	84000	--	--	--	--	--	--	--	--	--	--
Selenium	1.67	--	--	--	--	--	--	--	--	--	--	--	--	0.451	--	0.375	0.978	0.659	--	--	--
Silver	0.61	--	--	--	--	--	--	--	--	--	--	--	--	0.05 U	--	5 U	5 U	5 U	--	--	--
Sodium	--	4680000	--	--	--	--	2934000	847000	--	1845000	2897000	--	--	--	--	--	--	--	--	--	--
Zinc	17.5	--	--	--	--	--	--	--	--	--	--	--	--	20.4	--	14.4	11.7	14.3	--	--	--

Table 10
Summary of Water Data for Patrick Bayou

Table 10
Summary of Water Data for Patrick Bayou

	Task Code Location ID	RT 17154	RT 17154	RT 17154	RT 17154	RT 0049412	RT 0049413	RT 0049598	RT 0049600	RT 0051103	RT 0051276	RT 0053337	TQ 17155	TQ PA00052	TQ PA00021	TQ PA00031	TQ PA00061	TQ PA00040	TQ PA00026	TQ 17158
Sample ID	0046479		0046482	0048135	0049412	0049413	0049598	0049600	0051103	0051276	0053337	08/30/2000	PA00052	PA00021	PA00031	PA00061	PA00040	PA00026	PA00028	
Sample Date	5/11/2004		5/11/2004	8/30/2004	11/3/2004	11/3/2004	2/17/2005	2/17/2005	8/29/2005	1/26/2006	3/16/2006	8/30/2000	PA00021	PA00031	PA00061	PA00040	PA00026	PA00028		
Depth Interval	0-0.3 ft		0-0.3 ft	0-0.15 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft	0-0.3 ft		
Sample Type	N		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N		
Conventionals - dissolved (mg/L)																				
Dissolved Oxygen	--	--	--	--	--	--	--	--	--	--	--	--	--	7.77	9.2	--	--	--		
Hardness as CaCO ₃	--	--	379	--	--	--	336	--	833	344	1570	--	--	--	--	--	--	--		
Nitrate + Nitrite	--	--	--	--	--	--	--	--	--	--	4.11	--	--	--	--	--	--	--		
ortho-Phosphate	--	--	0.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Dissolved organic carbon	--	--	--	--	--	--	--	--	--	--	--	27.4	--	36.6	15	26.2	26.9			
Total dissolved solids	--	--	--	--	--	--	--	--	--	--	--	9778	--	8759	1873	4588	2140			
Conventionals - total																				
Alkalinity (mg/L)	--	--	114	--	--	--	--	--	--	120	128	--	116	164	124	150				
Ammonia (mg/L)	--	--	0.14	--	--	--	--	--	--	0.34	--	--	--	--	--	--	--	--		
Biochemical oxygen demand (mg/L)	--	--	--	--	--	--	--	--	--	--	5	--	2 U	7	2 U	4				
Chemical oxygen demand (mg/L)	--	--	--	--	--	--	--	--	--	--	72	--	68	46	40	59				
Conductivity ($\mu\text{mhos}/\text{cm}$)	--	--	--	--	--	--	--	--	--	--	--	--	13780	5127	--	--	--	--		
Fluoride (mg/L)	--	--	0.54	--	--	--	--	--	--	0.78	--	--	--	--	--	--	--	--		
Hardness as CaCO ₃ (mg/L)	--	--	--	--	--	348	--	1060	354	1660	--	--	--	--	--	--	--	--		
Nitrate as Nitrogen (mg/L)	--	--	2.32	--	--	--	--	--	--	--	5.06	--	7.3	3.3	6.6	13				
Nitrite as Nitrogen (mg/L)	--	--	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Total Kjeldahl nitrogen (mg/L)	--	--	1.44	--	--	--	--	--	--	1.61	4.4	--	3.1	2.4	3.4	4.1				
pH	--	--	--	--	--	--	--	--	--	--	7.84	--	7.67	7.79	7.83	7.62				
Phosphorus (mg/L)	--	--	0.68	--	--	--	--	--	--	0.98	1.76	--	0.94	1.05	1.25	2.44				
Salinity (ppm)	--	--	--	--	--	--	--	--	--	--	--	--	0.00794	0.00279	--	--	--	--		
Sulfate (mg/L)	--	--	716	--	--	--	--	--	--	1240	1450	--	1350	700	650	220				
Sulfide (mg/L)	--	--	--	--	--	--	--	--	--	--	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U				
Temperature (deg F)	--	--	--	--	--	--	--	--	--	--	--	--	84	61.63	--	--	--	--		
Total chloride (mg/L)	--	--	4500	--	--	--	--	--	--	5880	4800	--	3200	800	2000	1100				
Total organic carbon (mg/L)	--	--	4	--	--	--	--	--	--	3	--	--	--	--	--	--	--	--		
Total solids (mg/L)	--	--	41	--	--	--	--	--	--	14	29	--	8	10.5	31.3	26.4				
Total dissolved solids (mg/L)	--	--	8880	--	--	--	--	--	--	12100	--	--	--	--	--	--	--	--		
Total volatile solids (mg/L)	--	--	14	--	--	--	--	--	--	5	--	--	--	--	--	--	--	--		
Metals-dissolved (µg/L)																				
Aluminum	--	4 U	--	--	--	100 U	--	100 U	100 U	100 U	--	--	--	--	--	--	--	--		
Arsenic	--	2.72	--	--	8.74	7.72	--	12.5 U	--	50 U	--	--	--	--	--	--	--	--		
Cadmium	--	1 U	--	--	0.1 U	0.1 U	--	0.5 U	--	2 U	--	--	--	--	--	--	--	--		
Calcium	--	135000	--	--	110000	--	93000	103000	147000	176000	--	157000	128000	171000	74000					
Chromium	--	1 U	--	--	4 U	--	4 U	4 U	4 U	4 U	--	--	--	--	--	--	--	--		
Copper	--	10.6	--	--	3.8	--	3 U	--	--	--	3.41	6.05	3.15	4.34	2.22					
Iron	--	0.05 U	--	--	11.6	--	10 U	36.4	10 U	--	--	--	--	--	--	--	--	--		
Lead	--	1 U	--	--	1 U	1 U	--	--	--	5.06	--	--	--	--	--	--	--	--		
Magnesium	--	10500	--	--	14800	--	146000	21100	292000	187000	--	190000	17000	50000	15000					
Manganese	--	36.3	--	--	46.3	--	44	27.3	24.8	--	--	--	--	--	--	--	--	--		
Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Nickel	--	9.81	--	--	5 U	--	5 U	6.26	5 U	--	--	--	--	--	--	--	--	--		
Potassium	--	9860	--	--	13300	--	63900	29700	125000	72000	--	52000	8000	19000	11000					
Selenium	--	4 U	--	--	0.14 U	0.21	--	0.5 U	0.5 U	0.5 U	--	--	--	--	--	--	--	--		
Silver	--	1 U	--	--	0.5 U	0.5 U	--	2 U	--	8 U	--	--	--	--	--	--	--	--		
Sodium	--	500 U	--	--	82700	--	171000	1570000	3290000	3180000	--	2764000	767000	1867000	687000					
Zinc	--	4 U	--	--	18.9	--	13	35.6	29.3	--	--	--	--	--	--	--	--	--		

Table 10
Summary of Water Data for Patrick Bayou

Task Code	RT 17154	RT 17154	RT 17154	RT 17154	RT 0049412	RT 0049413	RT 0049598	RT 0049600	RT 0051103	RT 0051276	RT 0053337	TQ 17155	TQ PA00052	TQ PA00021	TQ PA00031	TQ PA00061	TQ PA00040	TQ PA00026	TQ 17158
Location ID	17154	17154	17154	17154	0049412	0049413	0049598	0049600	0051103	0051276	0053337	17155	17155	17155	17155	17155	17155	17158	
Sample ID	0046479	0046482	0048135	0049412	0049413	0049598	0049600	0051103	0051276	0053337	0053337	PA00052	PA00021	PA00031	PA00061	PA00040	PA00026	PA00026	
Sample Date	5/11/2004	5/11/2004	8/30/2004	11/3/2004	11/3/2004	2/17/2005	2/17/2005	8/29/2005	1/26/2006	3/16/2006	8/30/2000	8/31/2000	10/25/2000	1/24/2001	4/30/2001	4/30/2001	8/30/2000	8/30/2000	
Depth Interval	0-0.3 ft	0-0.3 ft	0-0.15 ft	0-0.3 ft	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
Metals-total (µg/L)																			
Aluminum	--	--	--	--	--	978	--	715	160	280	--	--	--	--	--	--	--	--	
Arsenic	--	--	--	--	--	10.2	7.05	--	12.5 U	--	50 U	--	--	--	--	--	--	--	
Cadmium	--	--	--	--	--	0.1 U	0.1 U	--	0.5 U	--	2 U	--	--	--	--	--	--	--	
Calcium	--	--	--	--	--	115000	--	116000	107000	152000	--	--	--	--	--	--	--	--	
Chromium	--	--	--	--	--	--	6 U	--	6 U	6 U	--	--	--	--	--	--	--	--	
Copper	--	--	--	--	--	--	--	4.87	--	--	--	--	--	--	--	--	--	--	
Iron	--	--	--	--	--	--	783	--	675	240	230	--	--	--	--	--	--	--	
Lead	--	--	--	--	--	2.79	2.38	--	3.06	--	5.54	--	--	--	--	--	--	--	
Magnesium	--	--	--	--	--	--	14700	--	186000	21200	311000	--	--	--	--	--	--	--	
Manganese	--	--	--	--	--	--	58.1	--	94	29.8	39.4	--	--	--	--	--	--	--	
Mercury	--	--	0.22	0.11	--	--	0.1	0.14	0.02	0.08	--	--	--	--	--	--	--	--	
Nickel	--	--	--	--	--	5.63	--	5 U	6.87	5 U	--	--	--	--	--	--	--	--	
Potassium	--	--	--	--	--	--	12800	--	69000	28700	131000	--	--	--	--	--	--	--	
Selenium	0.25 U	--	--	--	--	0.5	0.45	--	0.45	0.31	0.75	--	--	--	--	--	--	--	
Silver	--	--	--	--	--	0.5 U	0.5 U	--	2 U	--	8 U	--	--	--	--	--	--	--	
Sodium	--	--	--	--	--	--	849000	--	1960000	1660000	3420000	--	--	--	--	--	--	--	
Zinc	--	--	--	--	--	--	41.7	--	51	41	34.4	--	--	--	--	--	--	--	
TPH (mg/L)																			
TPH - Oil and grease	--	--	--	--	--	--	--	--	--	--	5 U	--	5 U	5 U	5 U	5 U	5 U	5 U	
Diox/Furans (pg/L)																			
1,2,3,4,6,7,8-HpCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2,3,4,6,7,8-HpCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2,3,4,7,8,9-HpCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2,3,4,7,8-HxCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2,3,4,7,8-HxCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2,3,6,7,8-HxCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2,3,6,7,8-HxCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2,3,7,8,9-HxCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2,3,7,8,9-HxCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2,3,7,8-PeCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2,3,7,8-PeCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,3,4,6,7,8-HxCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,3,4,6,7,8-HxCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,3,4,7,8-PeCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,3,7,8-TCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,3,7,8-TCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total HpCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total HpCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total HxCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total HxCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total PeCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total PeCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total TCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total TCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total D/F TEQ-Bird (U=1/2; max RL)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total D/F TEQ-Fish (U=1/2; max RL)	--	--	--																